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SERVICE MANUAL

COLOUR TELEVISION

C9SS Chassis

32WD96G, 28WD96G

MC-Service

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CHAPTER 1 GENERAL ADJUSTMENTS

SAFETY INSTRUCTIONS

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" INSTRUCTIONS BELOW.

X-RAY RADIATION PRECAUTION

1. Excessive high voltage can produce potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not be above the specified limit. The nominal value of the high voltage of this receiver is (A) kV at zero beam current (minimum brightness) under a (C) V AC power source. The high voltage must not, under any circumstances, exceed (B) kV.

Refer to table 1 for high voltage (A), (B) & AC voltage (C).
(See SETTING & ADJUSTING DATA on page 10)

   Each time a receiver requires servicing, the high voltage should be checked following the HIGH VOLTAGE CHECK procedure in this manual. It is recommended that the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.
2. The only source of X-RAY RADIATION in this TV receiver is the picture tube. For continued X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.
3. Some part in this receiver have special safety-related characteristics for X-RAY RADIATION protection. For continued safety, parts replacement should be undertaken only after referring to the PRODUCT SAFETY NOTICE below.

SAFETY PRECAUTION

WARNING : Service should not be attempted by anyone unfamiliar with the necessary precautions on this receiver. The following are the necessary precautions to be observed before servicing this chassis.

1. An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Always discharge the picture tube anode to the CRT conductive coating before handling the picture tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled. Use shatter proof goggles and keep picture tube away from the unprotected body while handling.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; non-metallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the international hazard symbols on the schematic diagram and the parts list.
Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-ray radiation or other hazards.

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WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

SET-UP ADJUSTMENT

■ The following adjustments should be made when a complete realignment is required or a new picture tube is installed. Perform the adjustments in order as follows :

1. Color Purity
2. Convergence
3. White Balance

Note: 1. The PURITY/CONVERGENCE MAGNET assembly and rubber wedges need mechanical positioning. Refer to figure 1.
2. Mounting position of the purity magnet assembly should fit to same position as old one because slightly difference to the position depend on a table.

* There are no adjustment of purity and convergence in some picture tube (Unified with purity magnet)

COLOR PURITY ADJUSTMENT

NOTE : Before attempting any purity adjustments, the receiver should be operated for at least fifteen minutes.

1. Demagnetize the picture tube and cabinet using a degaussing coil.
2. Set the brightness and contrast to maximum.
3. Use a green raster from among the built-in test signals.
4. Loosen the clamp screw holding the yoke and slide the yoke backward or forward to provide vertical green belt (zone) in the picture screen.
5. Remove the Rubber Wedges.
6. Rotate and spread the tabs of the purity magnet (See figure 2.) around the neck of the picture tube until the green belt is in the center of the screen. At the same time, enter the raster vertically.
7. Slowly move the yoke forward or backward until a uniform green screen is obtained. Tighten the clamp screw of the yoke temporarily.
8. Check the purity of the red and blue raster.

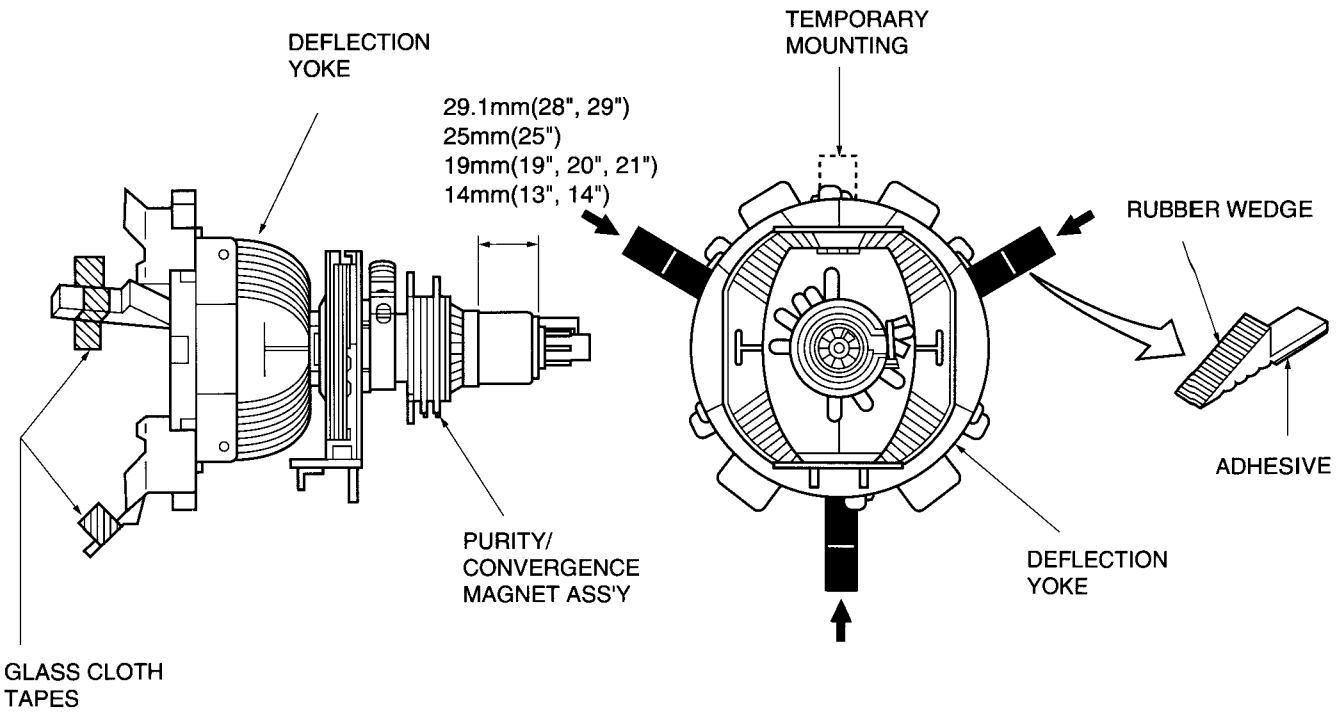


Figure 1.

CONVERGENCE ADJUSTMENTS

NOTE: Before attempting any convergence adjustments, the receiver should be operated for at least fifteen minutes.

■ CENTER CONVERGENCE ADJUSTMENT

1. Use the cross-dot pattern from among the built-in test signals.
2. Set the brightness and contrast for well defined pattern.
3. Adjust two tabs of the 4-Pole Magnets to change the angle between them (See figure 2.) and superimpose red and blue vertical lines in the center area of the picture screen.
4. Turn the both tabs at the same time keeping the angle constant to superimpose red and blue horizontal lines at the center of the screen.
5. Adjust two tabs of 6-Pole Magnets to superimpose red/blue line and green one. Adjusting the angle affects the vertical lines and rotating both magnets affects the horizontal lines.
6. Repeat adjustments 3, 4, 5 keeping in mind red, green and blue movement, because 4-Pole Magnets and 6-Pole Magnets have mutual interaction and make dot movement complex.

■ CIRCUMFERENCE CONVERGENCE ADJUSTMENT

1. Loosen the clamping screw of deflection yoke slightly to allow the yoke to tilt.
2. Temporarily put a wedge as shown in figure 1. (Do not remove cover paper on adhesive part of the wedge.)
3. Tilt front of the deflection yoke up or down to obtain better convergence in circumference. (See figure 3.) Push the mounted wedge into the space between picture tube and the yoke to fix the yoke temporarily.
4. Put other wedge into bottom space and remove the cover paper to stick.
5. Tilt front of the yoke right or left to obtain better convergence in circumference. (See figure 3.)
6. Keep the yoke position and put another wedge in either upper space. Remove cover paper and stick the wedge on picture tube to fix the yoke.
7. Detach the temporarily mounted wedge and put it in another upper space. Stick it on picture tube to fix the yoke.
8. After fixing three wedges, recheck overall convergence. Tighten the screw firmly to fix the yoke and check the yoke is firm.
9. Stick three adhesive tapes on wedges as shown in figure 1.

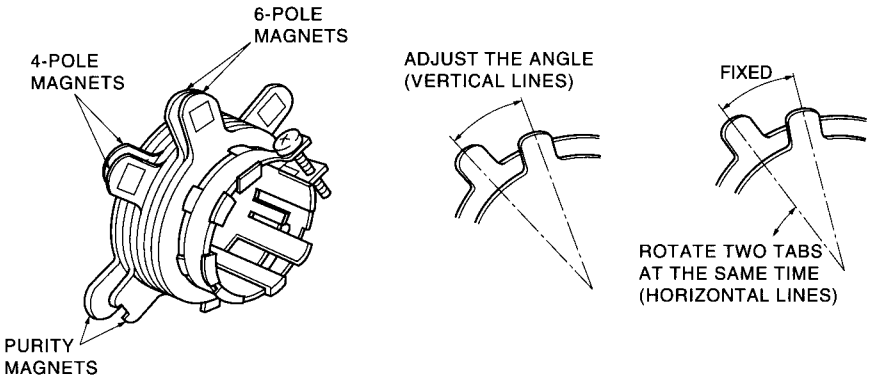
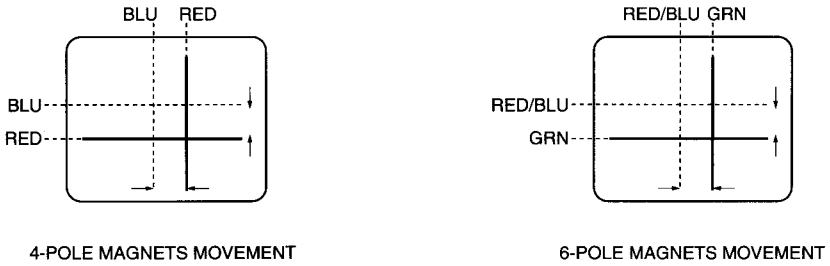


Figure 2.



Center Convergence by Convergence Magnets

Circumference Convergence by DEF Yoke

Figure 3. Dot Movement Pattern

SERVICE MODE

1. ENTERING TO SERVICE MODE

1) Press 🔇 button once on Remote Control.

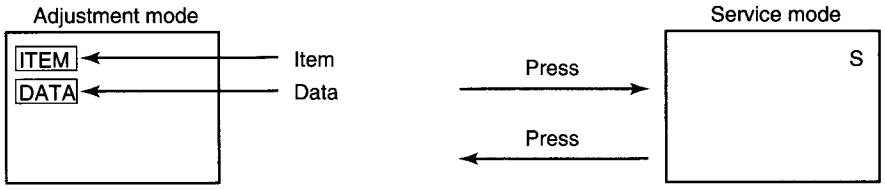
2) Press 🔇 button again to keep pressing.

3) While pressing the 🔇 button, press MENU button on TV set.

(Service mode display)

2. DISPLAYING THE ADJUSTMENT MENU

1) Press MENU button on TV.



3. KEY FUNCTION IN THE SERVICE MODE

The following key entry during display of adjustment menu provides special functions.

A single horizontal line ON/OFF:	- / - - button (on Remote) or ⊖ button (on TV)
Test signal selection :	⊖ button (on Remote)
Selection of the adjustment items :	Channel ▲/▼ (on TV or Remote)
Change of the data value :	Volume ◿ +/– (on TV or Remote)
Adjustment menu mode ON/OFF :	MENU button (on TV)
Initialization of the memory (QA02) :	CALL + Channel button on TV (▲)
Reset the count of operating protect circuit to "00":	CALL + Channel button on TV (▼)
"RCUT" selection :	1 button
"GCUT" selection :	2 button
"BCUT" selection :	3 button
"CNTX" (or "SCNT") selection :	4 button
"COLC" selection :	5 button– – – – Color thickness correction
"TNTC" selection :	6 button note: Displayed differently as shown below, de-
Test audio signal ON/OFF (1kHz) :	8 button pending on the setting of the receiving color
Self diagnostic display ON/OFF :	9 button system.
	COLP (PAL)
	COLC (NTSC)
	COLS (SECAM)

CAUTION : Never try to perform initialization unless you have changed the memory IC.

4. SELECTING THE ADJUSTING ITEMS

1) Every pressing of CHANNEL ▲ button in the service mode changes the adjustment items in the order of table-2. (▼ button for reverse order)

Refer to table-2 for preset data of adjustment mode. (See SETTING & ADJUSTING DATA on page 16)

5. ADJUSTING THE DATA

1) Pressing of VOLUME ◿ +/– button will change the value of data in the range from 00H to FFH. The variable range depends on the adjusting item.

6. EXIT FROM SERVICE MODE

1) Pressing POWER button to turn off the TV once.

■ INITIALIZATION OF MEMORY DATA OF QA02

After replacing QA02, the following initialization is required.

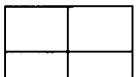
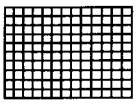
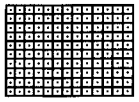
1. Enter the service mode, then select any register item.
2. Press and hold the CALL button on the Remote, then press the CHANNEL ▲ button on the TV. The initialization of QA02 has been complated.
3. Check the picture carefully. If necessary, adjust any adjustment item above. Perform "Auto search Memory" on the owner's manual.

CAUTION: Never attempt to initialize the data unless QA02 has been replaced.

7. TEST SIGNAL SELECTION

1) Every pressing of -⊖ button on the Remote Control changes the built-in test patterns on screen as described below in SERVICE MODE.

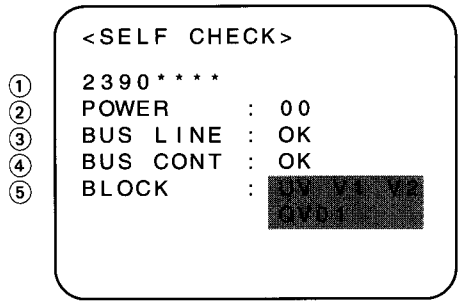
Signal off → NTSC signals (14 patterns)
↑ ← PAL signals (14 patterns) ←

Signals	Picture
• Red raster • Green raster • Blue raster • All Black • All White	
• Black & White	
• Black cross-bar • White cross-bar • Black cross-bar on green raster	
• Black cross-hatch • White cross-hatch	
• Black cross-dot • White cross-dot	
• H signal (white) • H signal (black)	

* The signals marked with ■ are not usable to display in the Test signal for some model.

8. SELF DIAGNOSTIC FUNCTION

1) Press "9" button on Remote Control during display of adjustment menu in the service mode.
   The diagnosis will begin to check if interface among IC's are executed properly.
2) During diagnosis, the following displays are shown.



Indicated color of mode now selected : Green and Red
Indicated color of other modes : White

Green : Normal
Red : The microcomputer operates to provide judgement of no video signal. The red color is still indicated though the signal is input, failure may exist in input signal line including QV01.
QV01 : In case of indication green ---Normal
In case of indication red with input signal----
Failure may exist in output line including QV01.

① Part number of microcomputer (QA01)
② Operation number of protecting circuit ----"00" is normal.
When indication is other than "00", overcurrent apts to flow, and circuit parts may possibly be damaged.
③ BUS LINE CHECK ----"OK" is normal.
"SDA1-GND" ---------- SDA-GND short circuit.
"SCL1-GND" ---------- SCL-GND short circuit.
"SCL1-SDA1" ---------- SCL-SDA short circuit.
④ BUS CONT ----"OK" is normal.
When indication shows "Q○○○ NG", the device with the number may possibly be damaged.
⑤BLOCK
UV : TV reception mode
V1 : VIDEO 1 input mode (CH1)
V2 : VIDEO 2 input mode (CH2)

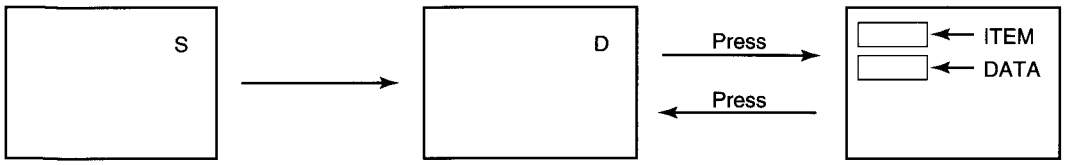
NOTE: Component which controls character display on screen is IC701 (TELETEXT IC). If this display function fails to operate due to damage in IC701, self diagnosis procedure is as follows.
(1) In case that power indicator is blinking with interval of 0.5 seconds: It means protecting circuit (Current limiter) is operating, and circuit components may possibly be damaged. Check related components.
(2) In case that power indicator is blinking with interval of 1 second: Protecting circuit does not operate, but a part of Bus line does not operate normally. Check Bus line.

* The items marked with ■ are not usable to display in the SELF DIAGNOSTIC FUCTION for some model.

DESIGN MODE

1. ENTERING TO DESIGN MODE

1) Select the Service mode. 2) While pressing or CALL button on Remote and press MENU button on TV. 3) Press MENU button on TV.



(Design mode) (Adjustment mode)

When QA02 is initialized, items "OPT0" and "OPT1" of DESIGN MODE are set to the data of the representative model of this chassis family.
Therefore, because ON-SCREEN specification remains in the state of the representative of model. This model is required to reset the data of items "OPT0" and "OPT1".

2. SELECTING THE ADJUSTING ITEMS

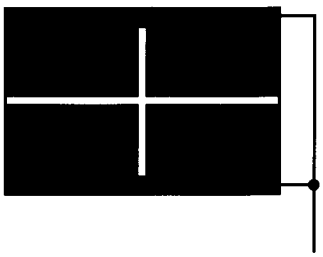
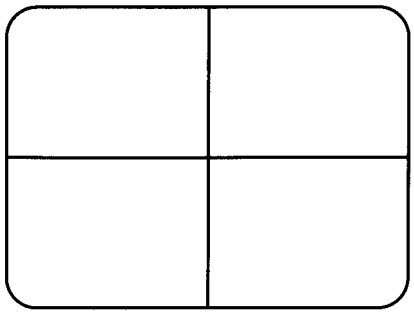
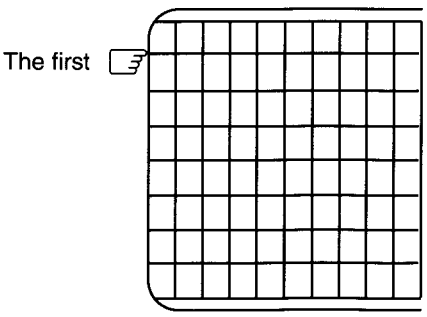
Every pressing of CHANNEL ▼ button in the design mode changes the adjustment items in the order of table-3.
(▲ button for reverse order)

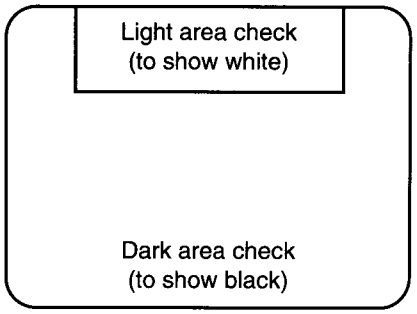
Refer to table-3 for data of design mode.
(See SETTING & ADJUSTING DATA on page 16)

3. ADJUSTING THE DATA

Pressing of VOLUME ▲ or ▼ button will change the value of data.

ELECTRICAL ADJUSTMENTS

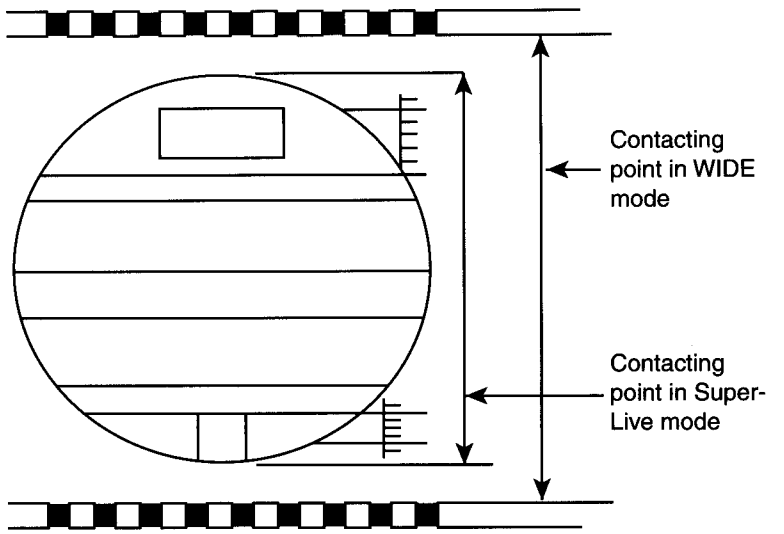
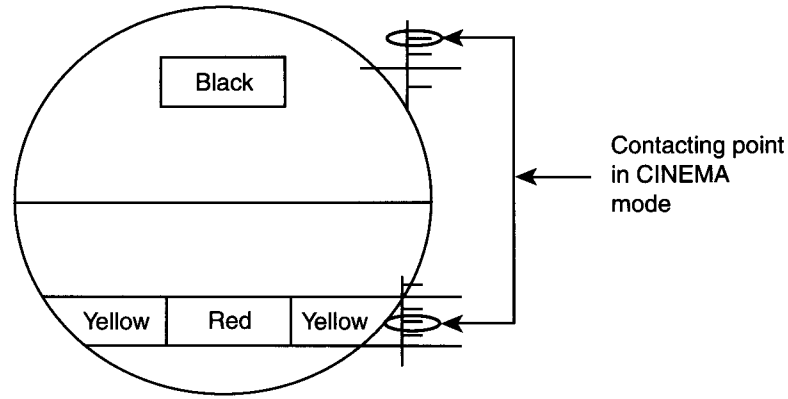
ITEM	ADJUSTMENT PROCEDURE
FOCUS VR ADJ	1. Enter the service mode, then select any register item. 2. Press the TV/VIDEO button on the Remote until the black cross-bar pattern appears on the screen. 3. Adjust the FOCUS control (on T461) for well defined scanning lines on the picture screen.
SUB-BRIGHTNESS (BRTC) Note: Constrict the picture height until the vertical retrace line appears adjusting the item HIT (HEIGHT).	1. Set CONTRAST to minimum, and BRIGHTNESS to center by adjusting user controls. 2. Set the TV in service mode to get white cross-bar of inside pattern. 3. Select BRTC (brightness correction), and adjust the ◿ – /+ button to reduce the value so that white portion of inside pattern slightly light. 4. Adjust ◿ – /+ button to increase the data value of BRTC, and set it just before the difference between the belt of vertical retrace and the border of black portion of inside pattern is visible. After that, return vertical height and contrast.  Belt of vertical retrace
HORIZONTAL POSITION ADJUSTMENT (HPOS) VERTICAL POSITION ADJUSTMENT (VPOS)	1. Set the TV in service mode, and get black or white cross-bar signal with VIDEO button on remote hand unit. 2. Select either HPOS (Horizontal picture phase) or VPOS (Vertical picture phase) with CHANNEL ▲, ▼ buttons, and adjust horizontal or vertical picture position in the center of screen with VOLUME ◿ – /+ buttons. 
VERTICAL AMPLITUDE ADJUSTMENT (HIT)	1. Set the TV in service mode, and get black or white cross-hatch signal with VIDEO button on remote hand unit. 2. Select HIT (Vertical amplitude) with CHANNEL ▲, ▼ buttons, and adjust vertical amplitude with VOLUME ◿ – /+ buttons so that vertical amplitude lacks a little. 3. Adjust vertical amplitude with VOLUME ◿ – /+ buttons so that the first bar on cross-hatch signal touches edge of screen. The first 

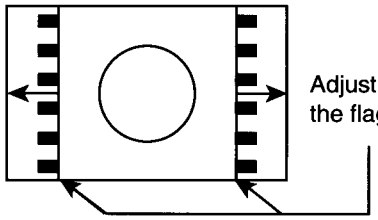
ITEM	ADJUSTMENT PROCEDURE
WHITE BALANCE ADJUSTMENT ● CUTOFF ADJUSTMENT (RCUT) (GCUT) (BCUT) ● DRIVE ADJUSTMENT (GDRV) (BDRV)	1. Set Contrast to 40, and brightness to +20 by picture control. 2. Set the TV in service mode, and get the inside W/B adjusting signal with VIDEO button. 3. Select RCUT, GCUT and BCUT with CHANNEL ▲, ▼ buttons, to set individual values to Initial reference data, and to set GDRV and BDRV to Initial reference data with VOLUME ◿ – /+ buttons (See page 18). 4. Press -/- - button on the remote control and rotate Screen VR to get one slight horizontal line on screen. Note: Every pressing of -/- - button provides Horizontal line picture and Normal picture alternately. 5. Press -/- - button to release horizontal line picture, and select the two other colors which did not light in the above step with CHANNEL ▲, ▼ buttons. Then tap VOLUME ◿ – /+ buttons so that three colors slightly light in the same level. ※ To correct white balance in light area, select GDRV and BDRV with CHANNEL ▲, ▼ buttons to adjust. ※ To correct white balance in dark area, perform fine adjustment of RCUT, GCUT and BCUT. 

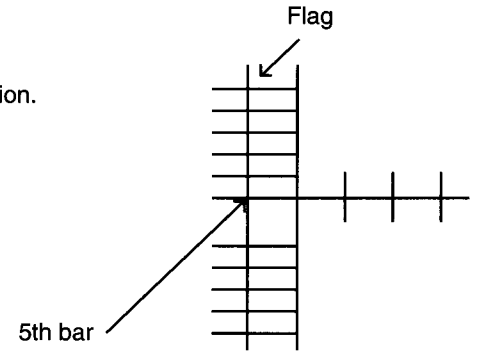
C9SS: Series (Reference Factory Adjustments)

Item	Name	Setting (User control)	Input signal	Measurement point	Adjustment procedure	Adjustment standard
[SCNT]	Sub-contrast	Dynamic Mode Screen size: Wide Audio system: I	Sub-bright signal (PAL-I signal)	TP46B	① Adjust the amplitude from the pedestal level to the white peak.	2.5 ± 0.1Vp-p
[BRTC]	Sub-bright center	Dynamic Mode Screen size: Wide	Sub-bright signal	Screen adjustment	① Adjust the number of black collapsed lines in the sub-bright signal. ② This adjustment shall be made after the W/B and [SCNT] adjustments.	4 ± 1.5 lines Screen adjustment
[COLP]	Sub-color center PAL	Dynamic Mode Screen size: Wide	Sub-bright signal (PAL)	TP46B	① Adjust the B-Y amplitude. (Apply Y Mute at time of adjustment)	1.3 ± 0.1Vo-p
Screen VR [RCUT] [GCUT] [BCUT] [GDRV] [BDRV]	R cut-off G cut-off B cut-off G drive B drive	Dynamic Mode Screen size: Wide [RCUT]: 40 [GCUT]: 40 [BCUT]: 40 [GDRV]: 40 [BDRV]: 40		Screen adjustment	① Enter Horizontal Straight-line Mode. ② Gradually increase the screen VR until either R, G, or B line starts to light up slightly. ③ Determine the screen VR adjustment position here. ④ Gradually increase remaining two screen VRs - except the line that lit up as mentioned in item ② above - until respective line starts to light up slightly. (Adjust until the screen becomes almost white.) ⑤ Exit from Horizontal Straight-line Mode. ⑥ Using CA100, repeat this adjustment until correct value is set to both the dark and bright parts.	Bright part (103cd/m²) 8750K-0.002uv Dark part (17cd/m²) 8750K-0.002uv Screen judgment (CA100)

Item	Name	Setting (User control)	Input signal	Measurement point	Adjustment procedure	Adjustment standard
[BELL]	BELL filter		SECAM color bar	TPM01	① Vary the [BELL] until the wave form on the synchroscope becomes flat.	100 ± 10%
[SBY]	SECAM B-Y black level	Screen size: Wide	SECAM color bar	TP01	① Vary the [SBY] until the level of the B/W signal becomes equal to the H. BLK level.	0 ± 10mV
[SRY]	SECAM R-Y black level	Screen size: Wide	SECAM color bar	TP02	① Vary the [SRY] until the level of the B/W signal becomes equal to the H. BLK level.	0 ± 10mV
[COLS]	Sub-color Center SECAM	Dynamic Mode Screen size: Wide	SECAM color bar	TP46B	① Adjust the B - Y amplitude. (Apply Y Mute at time of adjustment)	1.7 ± 0.1Vop *(Pedestal to Peak)

	Adjustment Item	Adjustment Procedure	
Vertical	WIDE Mode Vertical amplitude [HIT]	PAL WG Phillips Pattern, User adjustment standard Adjust the vertical amplitude by [HIT] so that both upper and lower flags will disappear from the screen.	
	Vertical position [GMPO]	PAL Phillips Pattern, User adjustment standard Adjust the vertical position [GMPO] so that the vertical screen position of Phillips Pattern will come to the center of the screen (see the right sketch).	
	Super-live Mode Vertical amplitude [HIT]	PAL Phillips Pattern, User adjustment standard Adjust the vertical amplitude by [HIT] so that the top and bottom of the circle of Phillips Pattern will touch the CPT mask (see the right sketch).	
	CINEMA Mode Vertical amplitude [HIT]	Phillips Pattern, User adjustment standard Adjust the vertical amplitude by [HIT] so that the points shown in the right bottom sketch will touch the CRT mask (see the right sketch).	

No	Applicable Models	Adjustment Item	Adjustment Procedures
1	32WD98B 32WD98G 32WD96G	Focus adjustment (1) HOR. FOCUS	Conditions) PAL, RETMA signal WIDE mode, User adjustment standard Adjustment) With the center of the screen being the best focus, set the focus volume (F1) of the focus pack (Z410) to the fully counterclockwise position.
		Focus adjustment (2) VERT. FOCUS	Conditions) PAL, RETMA signal WIDE mode, User adjustment standard Adjustment) With the center of the screen being the best focus, set the focus volume (F2) of the focus pack (Z410) to the fully counterclockwise position.
	28WD98B 28WD96G	Focus adjustment	Conditions) PAL, RETMA signal WIDE mode, User adjustment standard Adjustment) With the center of the screen being the best focus, set the focus volume of the flyback transformer (T461) to the fully counterclockwise position.
2	All models	Vertical position adjustment	Conditions) PAL, WG Phillips pattern WIDE mode, User adjustment standard Adjustment) Adjust [GMPO] so that both top and bottom positions touch the mask. (This adjustment shall be done with the CPT facing south or north. If this cannot be done, offset the difference.)
3	All models	Horizontal position adjustment	Conditions) PAL, WG Phillips pattern WIDE mode, User adjustment standard Adjustment) With the VR (R451), adjust the frame of both left and right flags to the mask. (If necessary, also adjust the horizontal amplitude.)  Adjust the frame of the flags to the mask.

	Adjustment Item	Adjustment Procedures
Horizontal	WIDE mode (4:3 mode) Horizontal position (R451) Horizontal phase [HPOS] Horizontal amplitude [WIDE] Side DPC [PARA] Trapezoidal distortion [TRAP]	With the PAL, WG Phillips pattern, in the WIDE mode, adjust the horizontal amplitude so that the mask comes to the frames of left and right flags. With the PAL, WG Phillips pattern, in the WIDE mode, carry out the adjustment in order to minimize the side pincushion distortion and trapezoidal distortion. Note) This adjustment shall be done at the same time as the horizontal position adjustment item in the volume adjustment. If the horizontal position cannot be adjusted to the center by the volume, after having made the adjustment, use HPOS to adjust the horizontal amplitude until the flag frame touches the mask. Confirm the side pincushion distortion in the 4:3 mode. (If necessary, reconfirm it with observing the quality of the side panel in 4:3 mode.)
	Super-Live mode Horizontal amplitude Side DPC Trapezoidal distortion	In the Super-Live, WIDE mode with the PAL Phillips pattern : Adjust the inside of the 5th bar within the left and right flags to the mask. Adjust to optimalize the side pincushion distortion and trapezoidal distortion. 
	CINEMA mode Horizontal amplitude Side DPC Trapezoidal distortion	In the CINEMA mode with the PAL Phillips pattern : Adjust the horizontal amplitude so that mask comes to the frames of the left and right flags. Adjust to optimalize the side pincushion distortion and trapezoidal distortion.

CIRCUIT CHECK

HIGH VOLTAGE CHECK

CAUTION: There is no HIGH VOLTAGE ADJUSTMENT on this chassis. Checking should be done following the steps below.

1. Connect an accurate high voltage meter to the second anode of the picture tube.
2. Turn on the receiver. Set the BRIGHTNESS and CONTRAST controls to minimum (zero beam current).
3. High voltage must be measured below (B) kV.

4. Vary the BRIGHTNESS control to both extremes to be sure the high voltage does not exceed the limit under any conditions.

MC-Service

CHAPTER 2 SPECIFIC INFORMATIONS

SETTING & ADJUSTING DATA

【SAFETY INSTRUCTIONS】

		32"	28"
HIGH VOLTAGE AT ZERO BEAM:	(A)	33.9 kV	33.2kV
MAX HIGH VOLTAGE:	(B)	34.0 kV	34.0kV
AV VOLTAGE	(C)	220~240 V	220~240V

Table-1

【SERVICE MODE】

ADJUSTING ITEMS AND DATAS IN THE SERVICE MODE:

Item	Adjustment	Reference data
RCUT	R CUTOFF (B/W)	40H
GCUT	G CUTOFF (B/W)	40H
BCUT	B CUTOFF (B/W)	40H
RDRV	R DRIVE	35H
BDRV	B DRIVE	35H
CNTX	SUB CONTRAST MAX	7FH
BRTC	SUB BRIGHT CEN	80H
COLC	SUB COLOR CEN NTSC	00H
TNTC	SUB TINT CEN	48H
COLP	SUB COLOR CEN PAL	45H
COLS	SUB COLOR CEN SECAM	33H
COLD	SUB COLOR CEN DTV	45H
SCOL	SUB COLOR	0AH
SCNT	SUB CONTRAST	08H
BELL	SECAM BELL FILTER	80H
SRY	SECAM R-Y	08H

Item	Adjustment	Reference data
SBY	SECAM B-Y	08H
HPOS	50Hz H-POSITION	5FH
VPOS	V-POSITION	00H
HIT	HEIGHT	2DH
GMPS	V-POSITION (RASTER)	3DH
VLIN	V-LINEARITY	15H
VSC	V-S CORRECTION	26H
VPS	V-SHIFT	43H
VCP	V-COMPENSATION	07H
WID	PICTURE WIDTH	28H
PARA	E-W PARABOLA	0FH
CNR	E-W CORNER	11H
TRAP	TRAPEZIUM	4EH
HCP	H-COMPENSATION	04H
VFC	V-F CORRECTION	07H

Table-2

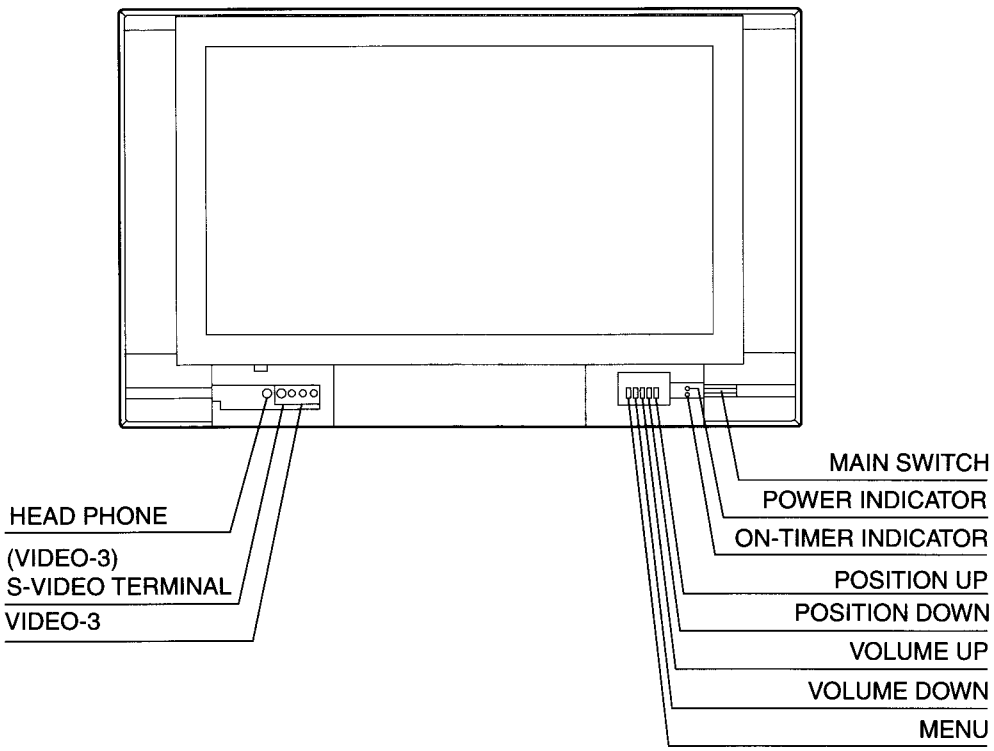
【DESIGN MODE】

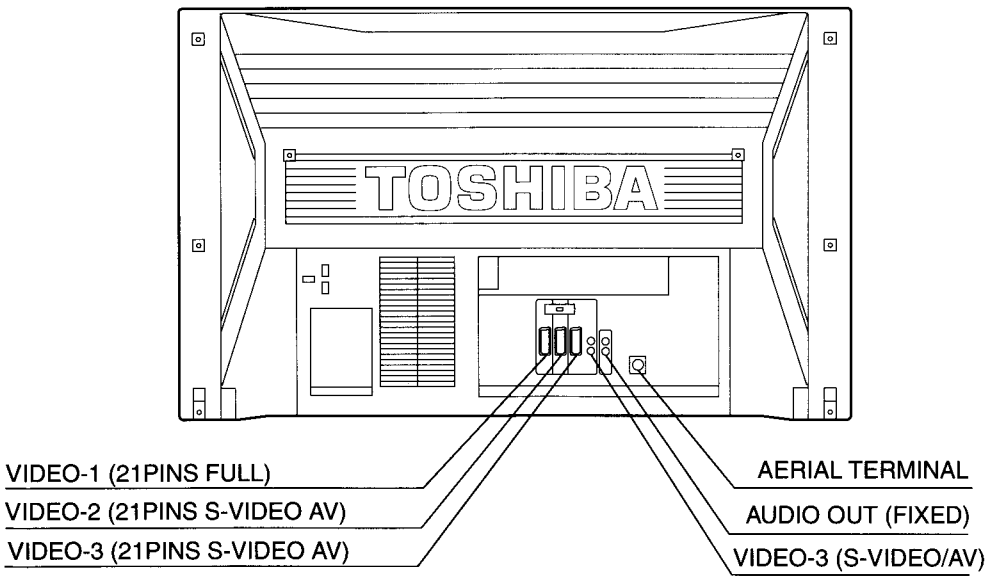
ADJUSTING ITEMS AND DATAS IN THE DESIGN MODE:

Item	Name of adjustment	Preset Data	Data	Remarks
* There are no adjusting item in the DESIGN MODE.				

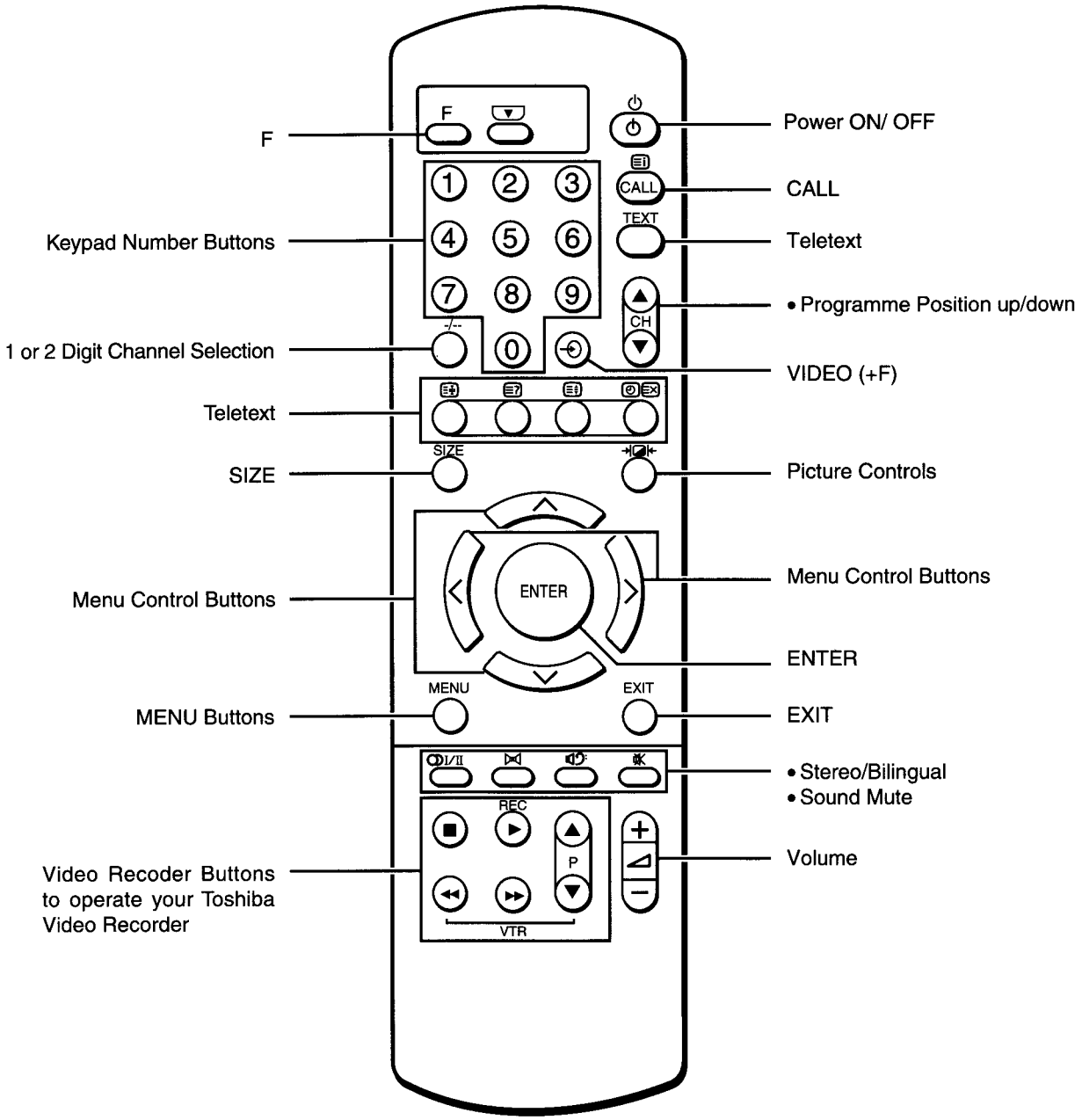
Table-3

LOCATION OF CONTROLS

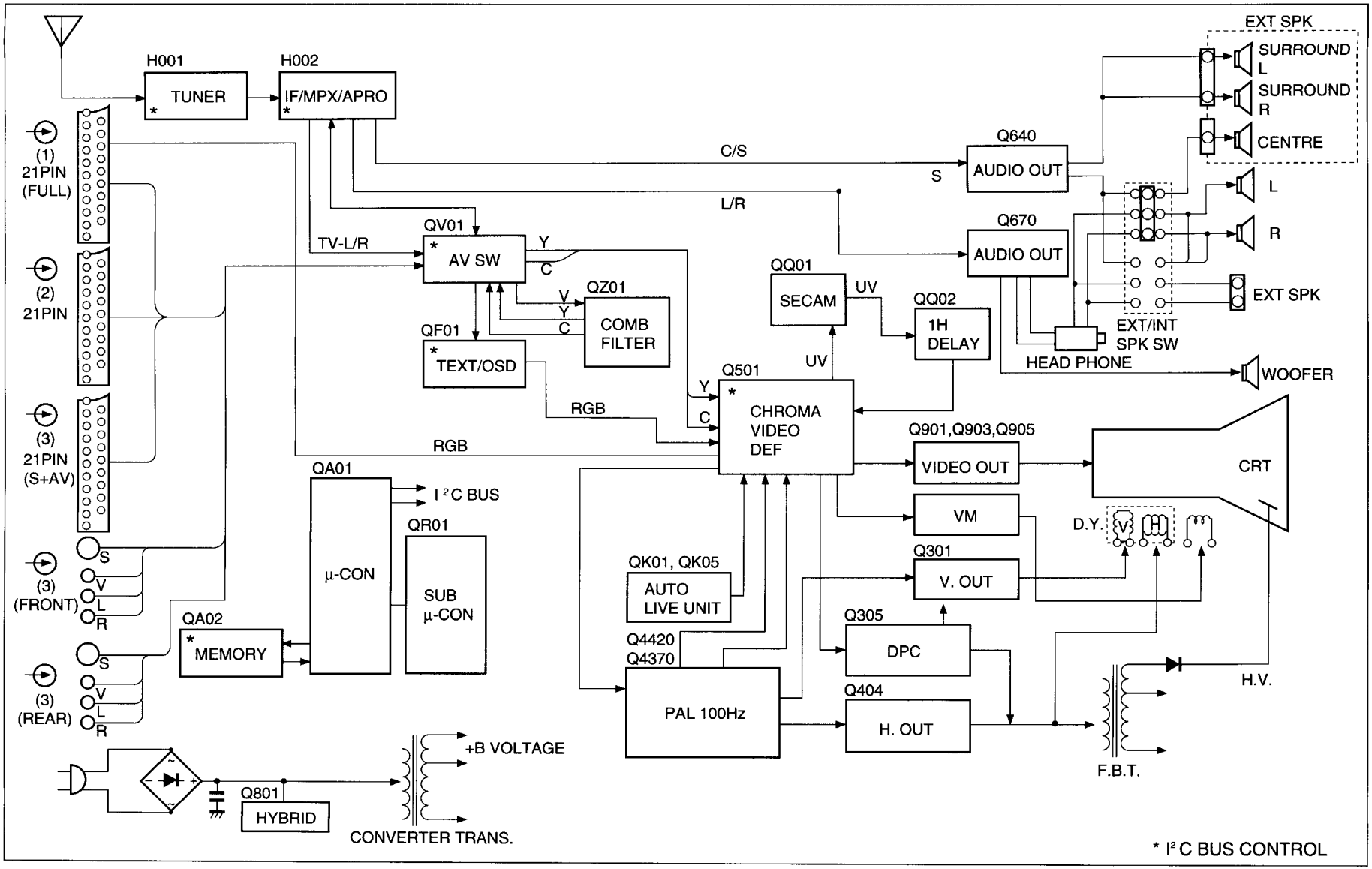




Remote Controller



CIRCUIT BLOCK DIAGRAM



CHASSIS AND CABINET REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE. Do not degrade the safety of the receiver through improper servicing.

NOTICE:
- *The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.*
- *The PC board assembly with * mark is no longer available after the end of the production.*

Models : 32WD96G/28WD96G

Capacitors	CD	: Ceramic Disk	PF	: Plastic Film	EL	: Electrolytic
Resistors	CF	: Carbon Film	CC	: Carbon Composition	MF	: Metal Film
	OMF	: Oxide Metal Film	VR	: Variable Resistor	FR	: Fusible Resistor

(All CD and PF capacitors are ±5%, 50V and all resistors, ±5%, 1/6W unless otherwise noted.)

Location No.	Part No.	Description
CAPACITORS		
C102	24763221	EL, 220μF, ±20%, 16V
C105	24212102	CD, 1000pF, ±10%
C106	24797100	EL, 10μF, ±20%, 50V
C108	24763221	EL, 220μF, ±20%, 16V
C109	24232103	CD, 0.01μF, +80%, -20%
C110	24797220	EL, 22μF, ±20%, 50V
C111	24797479	EL, 4.7μF, ±20%, 50V
C115	24232103	CD, 0.01μF, +80%, -20%
C201	24567104	PF, 0.1μF
C202	24814103	Chip, 0.01μF, +80%, -20%
C203	24567104	PF, 0.1μF
C204	24669010	EL, 1μF, ±20%, 50V
C205	24669229	EL, 2.2μF, ±20%, 50V
C206	24206220	EL, 22μF, ±20%, 50V
C212	24794100	EL, 10μF, ±20%, 16V
C214	24567334	PF, 0.33μF
C215	24781101	Chip, 100pF, SL
C219	24781100	Chip, 10pF, ±0.5pF%, SL
C220	24781100	Chip, 10pF, ±0.5pF%, SL
C221	24781100	Chip, 10pF, ±0.5pF%, SL
C228	24814103	Chip, 0.01μF, +80%, -20%
C229	24669010	EL, 1μF, ±20%, 50V
C230	24763221	EL, 220μF, ±20%, 16V
C231	24814103	Chip, 0.01μF, +80%, -20%
C232	24669010	EL, 1μF, ±20%, 50V
C260	24085967	EL, 47μF, ±20%, 16V, Non-Polar
C261	24669101	EL, 100μF, ±20%, 50V
C262	24814103	Chip, 0.01μF, +80%, -20%
C273	24206229	EL, 2.2μF, ±20%, 50V
C303	24214471	CD, 470pF, ±10%, 500V
C304	24082049	PF, 0.047μF, 100V
C306	24073059	EL, 3300μF, ±20%, 25V
C308	24797221	EL, 220μF, ±20%, 50V
C310	24797222	EL, 2200μF, ±20%, 50V (32WD96G)
C310	24796222	EL, 2200μF, ±20%, 35V (28WD96G)
C311	24567473	PF, 0.047μF
C312	24567273	PF, 0.027μF

Location No.	Part No.	Description
C313	24082057	PF, 0.22μF, 100V
C314	24793101	EL, 100μF, ±20%, 10V
C315	24212102	CD, 1000pF, ±10%
C315	24797478	EL, 0.47μF, ±20%, 50V
C320	24797101	EL, 100μF, ±20%, 50V
C341	24797478	EL, 0.47μF, ±20%, 50V
C352	24617912	EL, 2.2μF, ±10%, 50V
C366	24082049	PF, 0.047μF, 100V
C370	24797101	EL, 100μF, ±20%, 50V
C371	24797100	EL, 10μF, ±20%, 50V
C403	24567223	PF, 0.022μF
C404	24797229	EL, 2.2μF, ±20%, 50V
C410	24092341	CD, 470pF, ±10%, 2kV
C413	24214332	CD, 3300pF, ±10%, 500V
C416	24668101	EL, 100μF, ±20%, 35V
C417	24214391	CD, 390pF, ±10%, 500V
C419	24212102	CD, 1000pF, ±10%
C420	24794101	EL, 100μF, ±20%, 16V
C421	24567104	PF, 0.1μF
C423	24829473	PF, 0.047μF, 400V
C430	24814103	Chip, 0.01μF, +80%, -20%
C431	24232103	CD, 0.01μF, +80%, -20%
C431	24763102	EL, 1000μF, ±20%, 16V
C439	24082830	PF, 3000pF, ±3%, 1800V (28WD96G)
C440	24082942	PF, 3300pF, ±3%, 1500V (32WD96G)
C440	24082830	PF, 3000pF, ±3%, 1800V (28WD96G)
C442	24082643	PF, 0.18μF, 400V
C443	24082644	PF, 0.2μF, 400V
C444	24082830	PF, 3000pF, ±3%, 1800V (32WD96G)
C444	24082828	PF, 2400pF, ±3%, 1800V (28WD96G)
C445	24828473	PF, 0.047μF, 200V
C446	24679330	EL, 33μF, ±20%, 250V
C447	24829223	PF, 0.022μF, 400V (32WD96G)
C448	24640908	EL, 33μF, ±20%, 160V
C460	24796331	EL, 330μF, ±20%, 35V

Location No.	Part No.	Description
C461	24082835	PF, 4700pF, ±3%, 1800V (32WD96G)
C461	24082828	PF, 2400pF, ±3%, 1800V (28WD96G)
C462	24794222	EL, 2200μF, ±20%, 16V
C463	24212392	CD, 3900pF, ±10%
C464	24640900	EL, 4.7μF, ±20%, 100V
C466	24082414	PF, 5600pF, ±3%, 1250V (32WD96G)
C466	24820822	PF, 8200pF, 630V(28WD96G)
C470	24794220	EL, 22μF, ±20%, 16V
C472	24567474	PF, 0.47μF
C473	24669010	EL, 1μF, ±20%, 50V
C475	24095887	PF, 0.01μF, ±3%, 630V
C477	24591563	PF, 0.056μF
C478	24567334	PF, 0.33μF
C479	24214471	CD, 470pF, ±10%, 500V
C481	24085988	EL, 1.0μF, ±20%, 50V, Non-Polar (32WD96G)
C481	24567474	PF, 0.47μF (28WD96G)
C482	24212152	CD, 1500pF, ±10%
C484	24591152	PF, 0.0015μF
C491	24082749	PF, 1.5μF, 250V
C492	24082645	PF, 0.47μF, 400V
C494	24082644	PF, 0.2μF, 400V
C495	24092343	CD, 680pF, ±10%, 2kV
C496	24092343	CD, 680pF, ±10%, 2kV
C501	24781101	Chip, 100pF, SL
C502	24814103	Chip, 0.01μF, +80%, -20%
C503	24763221	EL, 220μF, ±20%, 16V
C504	24590222	PF, 2200pF
C505	24774120	Chip, 12pF, CH
C507	24774120	Chip, 12pF, CH
C508	24669010	EL, 1μF, ±20%, 50V
C509	24763101	EL, 100μF, ±20%, 16V
C510	24763101	EL, 100μF, ±20%, 16V
C511	24814103	Chip, 0.01μF, +80%, -20%
C512	24206228	EL, 0.22μF, ±20%, 50V
C513	24814103	Chip, 0.01μF, +80%, -20%
C514	24567104	PF, 0.1μF
C515	24567104	PF, 0.1μF
C516	24781102	Chip, 1000pF, SL
C517	24774010	Chip, 1pF, ±0.25pF, CH
C518	24436101	CD, 100pF
C519	24774010	Chip, 1pF, ±0.25pF, CH
C520	24781102	Chip, 1000pF, SL
C521	24781102	Chip, 1000pF, SL
C554	24814103	Chip, 0.01μF, +80%, -20%
C555	24669010	EL, 1μF, ±20%, 50V
C556	24669010	EL, 1μF, ±20%, 50V
C613	24794471	EL, 470μF, ±20%, 16V
C660	24797229	EL, 2.2μF, ±20%, 50V
C661	24797478	EL, 0.47μF, ±20%, 50V
C664	24203100	EL, 10μF, ±20%, 16V
C665	24206229	EL, 2.2μF, ±20%, 50V
C666	24206229	EL, 2.2μF, ±20%, 50V
C667	24212102	CD, 1000pF, ±10%
C668	24212102	CD, 1000pF, ±10%
C669	24797330	EL, 33μF, ±20%, 50V
C670	24797330	EL, 33μF, ±20%, 50V
C671	24797010	EL, 1μF, ±20%, 50V
C673	24781102	Chip, 1000pF, SL
C673	24797229	EL, 2.2μF, ±20%, 50V
C674	24781102	Chip, 1000pF, SL

Location No.	Part No.	Description
C674	24797010	EL, 1μF, ±20%, 50V
C675	24781102	Chip, 1000pF, SL
C675	24795470	EL, 47μF, ±20%, 25V
C676	24781102	Chip, 1000pF, SL
C676	24797479	EL, 4.7μF, ±20%, 50V
C677	24590102	PF, 1000pF
C678	24590102	PF, 1000pF
C678	24781102	Chip, 1000pF, SL
C679	24538104	PF, 0.1μF
C679	24781102	Chip, 1000pF, SL
C680	24668102	EL, 1000μF, ±20%, 35V
C681	24668471	EL, 470μF, ±20%, 35V
C681	24781102	Chip, 1000pF, SL
C682	24668471	EL, 470μF, ±20%, 35V
C682	24781102	Chip, 1000pF, SL
C683	24668102	EL, 1000μF, ±20%, 35V
C685	24591124	PF, 0.12μF
C686	24591124	PF, 0.12μF
C687	24232103	CD, 0.01μF, +80%, -20%
C688	24203220	EL, 22μF, ±20%, 16V
C689	24591124	PF, 0.12μF
C704	24591822	PF, 8200pF
C705	24797229	EL, 2.2μF, ±20%, 50V
C707	24794470	EL, 47μF, ±20%, 16V
C712	24666470	EL, 47μF, ±20%, 16V
C713	24790100	EL, 10μF, ±20%, 160V
C714	24436101	CD, 100pF
C715	24214472	CD, 4700pF, ±10%, 500V
C716	24436101	CD, 100pF
C717	24214472	CD, 4700pF, ±10%, 500V
C718	24794470	EL, 47μF, ±20%, 16V
C719	24435151	CD, 150pF, 500V, SL
C720	24790100	EL, 10μF, ±20%, 160V
C721	24794470	EL, 47μF, ±20%, 16V
⚠C801	24082927	PF, 0.22μF, ±20%, AC275V
⚠C802	24082927	PF, 0.22μF, ±20%, AC275V
C805	24092281	CD, 4700pF, ±20%, AC250V
C806	24092281	CD, 4700pF, ±20%, AC250V
C808	24667331	EL, 330μF, ±20%, 25V
C810	24086063	EL, 330μF, ±20%, 400V
C810	24763102	EL, 1000μF, ±20%, 16V
⚠C813	24092555	CD, 1000pF, ±20%, AC250V
⚠C814	24092555	CD, 1000pF, ±20%, AC250V
C817	24092339	CD, 330pF, ±10%, 2kV
C818	24095931	PF, 2200pF, 1250V
C819	24676220	EL, 22μF, ±20%, 100V
C821	24214471	CD, 470pF, ±10%, 500V
C822	24567474	PF, 0.47μF
C823	24214471	CD, 470pF, ±10%, 500V
C829	24590332	PF, 3300pF
C831	24666470	EL, 47μF, ±20%, 16V
C833	24669100	EL, 10μF, ±20%, 50V
C835	24666470	EL, 47μF, ±20%, 16V
C836	24794470	EL, 47μF, ±20%, 16V
C841	24669100	EL, 10μF, ±20%, 50V
C842	24669100	EL, 10μF, ±20%, 50V
C843	24567104	PF, 0.1μF
C846	24567224	PF, 0.22μF
C872	24669221	EL, 220μF, ±20%, 50V
C884	24086916	EL, 330μF, ±20%, 160V
⚠C885	24214471	CD, 470pF, ±10%, 500V
C887	24214471	CD, 470pF, ±10%, 500V
C889	24669222	EL, 2200μF, ±20%, 50V
C890	24667222	EL, 2200μF, ±20%, 25V

Location No.	Part No.	Description
C891	24667332	EL, 3300μF, ±20%, 25V
C893	24092337	CD, 220pF, ±10%, 2kV
C895	24669470	EL, 47μF, ±20%, 50V
C896	24214471	CD, 470pF, ±10%, 500V
C897	24667332	EL, 3300μF, ±20%, 25V
C898	24567224	PF, 0.22μF
C899	24214471	CD, 470pF, ±10%, 500V
C902	24092345	CD, 1000pF, ±10%, 2kV
C904	24436471	CD, 470pF
C905	24436471	CD, 470pF
C907	24436471	CD, 470pF
C909	24679220	EL, 22μF, ±20%, 250V
C910	24797478	EL, 0.47μF, ±20%, 50V
C911	24203100	EL, 10μF, ±20%, 16V
C912	24794102	EL, 1000μF, ±20%, 16V
C913	24763102	EL, 1000μF, ±20%, 16V
C914	24212103	CD, 0.01μF, ±10%
C915	24092398	CD, 0.1μF, +80%, -20%, 25V
C920	24591104	PF, 0.1μF
C921	24591104	PF, 0.1μF
C923	24794470	EL, 47μF, ±20%, 16V
C924	24666470	EL, 47μF, ±20%, 16V
C925	24794470	EL, 47μF, ±20%, 16V
C930	24214101	CD, 100pF, ±10%, 500V
C931	24214101	CD, 100pF, ±10%, 500V
C940	24436390	CD, 39pF
C4371	24590393	PF, 0.039μF(32WD96G)
C4373	24539474	PF, 0.47μF
C4374	24617915	EL, 1μF, ±10%, 50V
C4375	24591203	PF, 0.02μF
C4376	24232103	CD, 0.01μF, +80%, -20%
C4377	24590102	PF, 1000pF
C4378	24617787	EL, 470μF, ±20%, 16V
C4379	24794101	EL, 100μF, ±20%, 16V
C4380	24212102	CD, 1000pF, ±10%
C4382	24539684	PF, 0.68μF
C4405	24590103	PF, 0.01μF
C4408	24590103	PF, 0.01μF
C4418	24590103	PF, 0.01μF
C4425	24797010	EL, 1μF, ±20%, 50V
C4426	24797101	EL, 100μF, ±20%, 50V
C4446	24820472	PF, 0.0047μF, 630V (28WD96G)
C4447	24590103	PF, 0.01μF
C4461	24567104	PF, 0.1μF
C4490	24082646	PF, 0.24μF, 400V
C4491	24082646	PF, 0.24μF, 400V
CA12	24436101	CD, 100pF
CA13	24436101	CD, 100pF
CA14	24232103	CD, 0.01μF, +80%, -20%
CA15	24436101	CD, 100pF
CA16	24436101	CD, 100pF
CA17	24436101	CD, 100pF
CA33	24232103	CD, 0.01μF, +80%, -20%
CA42	24794100	EL, 10μF, ±20%, 16V
CA43	24232103	CD, 0.01μF, +80%, -20%
CA44	24232103	CD, 0.01μF, +80%, -20%
CA68	24794100	EL, 10μF, ±20%, 16V
CA69	24232103	CD, 0.01μF, +80%, -20%
CA80	24666470	EL, 47μF, ±20%, 16V
CA81	24232103	CD, 0.01μF, +80%, -20%
CA83	24085981	EL, 10μF, ±20%, 16V, Non-Polar
CB01	24794470	EL, 47μF, ±20%, 16V
CB90	24232103	CD, 0.01μF, +80%, -20%

Location No.	Part No.	Description
CC08	24781102	Chip, 1000pF, SL
CC42	24781220	Chip, 22pF, SL
CC43	24567184	PF, 0.18μF
CF02	24774220	Chip, 22pF, CH
CF03	24774220	Chip, 22pF, CH
CF05	24092293	Chip, 0.1μF, +80%, -20%, 25V
CF06	24092293	Chip, 0.1μF, +80%, -20%, 25V
CF07	24814103	Chip, 0.01μF, +80%, -20%
CF08	24092293	Chip, 0.1μF, +80%, -20%, 25V
CF09	24567224	PF, 0.22μF
CF10	24814103	Chip, 0.01μF, +80%, -20%
CF11	24797101	EL, 100μF, ±20%, 50V
CF12	24797101	EL, 100μF, ±20%, 50V
CF13	24797101	EL, 100μF, ±20%, 50V
CF14	24797101	EL, 100μF, ±20%, 50V
CF15	24814103	Chip, 0.01μF, +80%, -20%
CF17	24781101	Chip, 100pF, SL
CF18	24092293	Chip, 0.1μF, +80%, -20%, 25V
CF19	24092293	Chip, 0.1μF, +80%, -20%, 25V
CF20	24092293	Chip, 0.1μF, +80%, -20%, 25V
CF21	24092293	Chip, 0.1μF, +80%, -20%, 25V
CF22	24092293	Chip, 0.1μF, +80%, -20%, 25V
CF24	24814103	Chip, 0.01μF, +80%, -20%
CF25	24092293	Chip, 0.1μF, +80%, -20%, 25V
CF31	24797100	EL, 10μF, ±20%, 50V
CF32	24814103	Chip, 0.01μF, +80%, -20%
CF33	24797101	EL, 100μF, ±20%, 50V
CF41	24774060	Chip, 6pF, ±0.5pF, CH
CF42	24774060	Chip, 6pF, ±0.5pF, CH
CF43	24092293	Chip, 0.1μF, +80%, -20%, 25V
CF60	24092293	Chip, 0.1μF, +80%, -20%, 25V
CF61	24092293	Chip, 0.1μF, +80%, -20%, 25V
CG01	24082926	PF, 0.1μF, ±20%, AC275V
CG06	24086044	EL, 47μF, ±20%, 450V
CG07	24082081	PF, 0.033μF, 630V
CG08	24215181	CD, 180pF, ±10%, 1000V
CG11	24567104	PF, 0.1μF
CG12	24617794	EL, 470μF, ±20%, 25V
CG16	24567104	PF, 0.1μF
CG20	24640893	EL, 47μF, ±20%, 100V
CG26	24617934	EL, 220μF, ±20%, 25V
CG27	24617015	EL, 2200μF, ±20%, 10V
CG29	24617946	EL, 330μF, ±20%, 10V
CG30	24617816	EL, 10μF, ±20%, 50V
CG31	24617816	EL, 10μF, ±20%, 50V
CG32	24617015	EL, 2200μF, ±20%, 10V
CG34	24567105	PF, 1μF
CG40	24617794	EL, 470μF, ±20%, 25V
CG62	24214471	CD, 470pF, ±10%, 500V
CG63	24214471	CD, 470pF, ±10%, 500V
CG65	24214471	CD, 470pF, ±10%, 500V
CK01	24781101	Chip, 100pF, SL
CK03	24781330	Chip, 33pF, SL
CK08	24781330	Chip, 33pF, SL
CK09	24781330	Chip, 33pF, SL
CK10	24781330	Chip, 33pF, SL
CK12	24781330	Chip, 33pF, SL
CK13	24781330	Chip, 33pF, SL
CK14	24814103	Chip, 0.01μF, +80%, -20%
CK15	24781330	Chip, 33pF, SL
CK16	24781101	Chip, 100pF, SL
CK17	24781330	Chip, 33pF, SL
CK18	24781330	Chip, 33pF, SL
CK19	24814103	Chip, 0.01μF, +80%, -20%

Location No.	Part No.	Description
CK20	24794100	EL, 10μF, ±20%, 16V
CK21	24814103	Chip, 0.01μF, +80%, -20%
CK26	24814103	Chip, 0.01μF, +80%, -20%
CK30	24085961	EL, 10μF, ±20%, 50V, Non-Polar
CK31	24085958	EL, 1.0μF, ±20%, 50V, Non-Polar
CK32	24085958	EL, 1.0μF, ±20%, 50V, Non-Polar
CK50	24795470	EL, 47μF, ±20%, 25V
CK51	24567104	PF, 0.1μF
CK52	24567104	PF, 0.1μF
CK53	24085958	EL, 1.0μF, ±20%, 50V, Non-Polar
CK54	24781561	Chip, 560pF, SL
CK55	24797010	EL, 1μF, ±20%, 50V
CK56	24814103	Chip, 0.01μF, +80%, -20%
CK57	24781681	Chip, 680pF, SL
CK58	24781331	Chip, 330pF, SL
CK60	24567104	PF, 0.1μF
CK61	24781100	Chip, 10pF, ±0.5pF%, SL
CQ01	24781102	Chip, 1000pF, SL
CQ02	24781820	Chip, 82pF, SL
CQ03	24781102	Chip, 1000pF, SL
CQ04	24203100	EL, 10μF, ±20%, 16V
CQ05	24567563	PF, 0.056μF
CQ07	24590203	PF, 0.02μF
CQ08	24567683	PF, 0.068μF
CQ09	24206229	EL, 2.2μF, ±20%, 50V
CQ10	24567223	PF, 0.022μF
CQ11	24206229	EL, 2.2μF, ±20%, 50V
CQ12	24781820	Chip, 82pF, SL
CQ13	24669010	EL, 1μF, ±20%, 50V
CQ14	24669010	EL, 1μF, ±20%, 50V
CQ15	24763101	EL, 100μF, ±20%, 16V
CQ16	24814103	Chip, 0.01μF, +80%, -20%
CQ17	24774150	Chip, 15pF, CH
CQ18	24781820	Chip, 82pF, SL
CQ19	24567103	PF, 0.01μF
CQ20	24567104	PF, 0.1μF
CQ21	24794470	EL, 47μF, ±20%, 16V
CQ22	24814103	Chip, 0.01μF, +80%, -20%
CQ23	24567104	PF, 0.1μF
CQ24	24567104	PF, 0.1μF
CQ25	24797100	EL, 10μF, ±20%, 50V
CQ26	24567104	PF, 0.1μF
CQ27	24567104	PF, 0.1μF
CQ28	24797478	EL, 0.47μF, ±20%, 50V
CQ29	24794101	EL, 100μF, ±20%, 16V
CQ30	24814103	Chip, 0.01μF, +80%, -20%
CQ31	24797478	EL, 0.47μF, ±20%, 50V
CQ32	24590103	PF, 0.01μF
CQ33	24567104	PF, 0.1μF
CQ34	24567104	PF, 0.1μF
CQ35	24206478	EL, 0.47μF, ±20%, 50V
CQ36	24206478	EL, 0.47μF, ±20%, 50V
CQ37	24669010	EL, 1μF, ±20%, 50V
CQ38	24669010	EL, 1μF, ±20%, 50V
CQ39	24669010	EL, 1μF, ±20%, 50V
CQ40	24781820	Chip, 82pF, SL
CQ41	24781090	Chip, 9pF, ±0.5pF, SL
CQ42	24781090	Chip, 9pF, ±0.5pF, SL
CQ43	24781090	Chip, 9pF, ±0.5pF, SL
CQ45	24781102	Chip, 1000pF, SL

Location No.	Part No.	Description
CQ46	24781102	Chip, 1000pF, SL
CQ61	24781102	Chip, 1000pF, SL
CQ62	24781470	Chip, 47pF, SL
CQ63	24781470	Chip, 47pF, SL
CR01	24206010	EL, 1μF, ±20%, 50V
CR01	24567104	PF, 0.1μF
CR02	24232103	CD, 0.01μF, +80%, -20%
CR02	24567104	PF, 0.1μF
CR03	24436101	CD, 100pF
CR03	24567104	PF, 0.1μF
CR04	24567104	PF, 0.1μF
CR05	24567104	PF, 0.1μF
CR06	24567104	PF, 0.1μF
CR07	24814103	Chip, 0.01μF, +80%, -20%
CR08	24794100	EL, 10μF, ±20%, 16V
CR09	24538104	PF, 0.1μF
CR09	24814103	Chip, 0.01μF, +80%, -20%
CR10	24794470	EL, 47μF, ±20%, 16V
CR11	24538104	PF, 0.1μF
CR12	24567104	PF, 0.1μF
CR13	24567104	PF, 0.1μF
CR14	24567104	PF, 0.1μF
CR18	24538104	PF, 0.1μF
CR19	24538104	PF, 0.1μF
CR20	24538104	PF, 0.1μF
CS01	24085944	EL, 2.2μF, ±20%, 50V, Non-Polar
CS02	24085944	EL, 2.2μF, ±20%, 50V, Non-Polar
CS03	24206229	EL, 2.2μF, ±20%, 50V
CS04	24206229	EL, 2.2μF, ±20%, 50V
CS05	24206229	EL, 2.2μF, ±20%, 50V
CS06	24206229	EL, 2.2μF, ±20%, 50V
CS07	24206229	EL, 2.2μF, ±20%, 50V
CS08	24206229	EL, 2.2μF, ±20%, 50V
CS12	24781102	Chip, 1000pF, SL
CS13	24781102	Chip, 1000pF, SL
CS14	24206100	EL, 10μF, ±20%, 50V
CS15	24206100	EL, 10μF, ±20%, 50V
CS17	24203100	EL, 10μF, ±20%, 16V
CS18	24203100	EL, 10μF, ±20%, 16V
CS19	24206478	EL, 0.47μF, ±20%, 50V
CS22	24203100	EL, 10μF, ±20%, 16V
CS23	24203100	EL, 10μF, ±20%, 16V
CV01	24567103	PF, 0.01μF
CV02	24085970	EL, 10μF, ±20%, 16V, Non-Polar
CV03	24203100	EL, 10μF, ±20%, 16V
CV04	24203100	EL, 10μF, ±20%, 16V
CV05	24814103	Chip, 0.01μF, +80%, -20%
CV06	24203100	EL, 10μF, ±20%, 16V
CV08	24763102	EL, 1000μF, ±20%, 16V
CV10	24085970	EL, 10μF, ±20%, 16V, Non-Polar
CV11	24781331	Chip, 330pF, SL
CV12	24092178	CD, 0.1μF, ±10%, 25V
CV13	24814103	Chip, 0.01μF, +80%, -20%
CV14	24781102	Chip, 1000pF, SL
CV15	24781102	Chip, 1000pF, SL
CV16	24781102	Chip, 1000pF, SL
CV17	24781102	Chip, 1000pF, SL
CV18	24781102	Chip, 1000pF, SL
CV19	24781102	Chip, 1000pF, SL
CV20	24781430	Chip, 43pF, SL

Location No.	Part No.	Description
CV23	24203101	EL, 100μF, ±20%, 16V
CV24	24814103	Chip, 0.01μF, +80%, -20%
CV25	24763471	EL, 470μF, ±20%, 16V
CV31	24781102	Chip, 1000pF, SL
CV34	24781102	Chip, 1000pF, SL
CV35	24814103	Chip, 0.01μF, +80%, -20%
CV37	24781102	Chip, 1000pF, SL
CV39	24203101	EL, 100μF, ±20%, 16V
CV40	24814103	Chip, 0.01μF, +80%, -20%
CV46	24212332	CD, 3300pF, ±10%
CV47	24212332	CD, 3300pF, ±10%
CV48	24212102	CD, 1000pF, ±10%
CV65	24203101	EL, 100μF, ±20%, 16V
CV66	24203101	EL, 100μF, ±20%, 16V
CV67	24763471	EL, 470μF, ±20%, 16V
CV68	24763471	EL, 470μF, ±20%, 16V
CV78	24781390	Chip, 39pF, SL
CX101	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX102	24794470	EL, 47μF, ±20%, 16V
CX103	24092441	Chip, 1μF, +80%, -20%
CX104	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX105	24774330	Chip, 33pF, CH
CX106	24774220	Chip, 22pF, CH
CX107	24774560	Chip, 56pF, CH
CX108	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX109	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX111	24092294	Chip, 0.33μF, +80%, -20%, 16V
CX112	24794100	EL, 10μF, ±20%, 16V
CX113	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX114	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX115	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX116	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX117	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX118	24092732	Chip, 3.3μF, ±10%, 6.3V
CX119	24092732	Chip, 3.3μF, ±10%, 6.3V
CX120	24092732	Chip, 3.3μF, ±10%, 6.3V
CX121	24774330	Chip, 33pF, CH
CX122	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX123	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX124	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX125	24794220	EL, 22μF, ±20%, 16V
CX126	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX127	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX128	24092441	Chip, 1μF, +80%, -20%
CX129	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX141	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX142	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX143	24085981	EL, 10μF, ±20%, 16V, Non-Polar
CX144	24794470	EL, 47μF, ±20%, 16V
CX145	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX146	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX147	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX148	24774101	Chip, 100pF, CH
CX149	24774470	Chip, 47pF, CH
CX150	24774271	Chip, 270pF, CH
CX151	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX152	24794100	EL, 10μF, ±20%, 16V
CX153	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX154	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX155	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX156	24794220	EL, 22μF, ±20%, 16V
CX157	24092293	Chip, 0.1μF, +80%, -20%, 25V

Location No.	Part No.	Description
CX158	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX159	24092441	Chip, 1μF, +80%, -20%
CX160	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX161	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX162	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX163	24085981	EL, 10μF, ±20%, 16V, Non-Polar
CX164	24794470	EL, 47μF, ±20%, 16V
CX165	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX166	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX167	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX168	24774101	Chip, 100pF, CH
CX169	24774470	Chip, 47pF, CH
CX170	24774271	Chip, 270pF, CH
CX171	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX172	24794100	EL, 10μF, ±20%, 16V
CX173	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX174	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX175	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX176	24794220	EL, 22μF, ±20%, 16V
CX177	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX178	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX179	24092441	Chip, 1μF, +80%, -20%
CX180	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX184	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX185	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX186	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX187	24092732	Chip, 3.3μF, ±10%, 6.3V
CX188	24092732	Chip, 3.3μF, ±10%, 6.3V
CX189	24092732	Chip, 3.3μF, ±10%, 6.3V
CX190	24774330	Chip, 33pF, CH
CX191	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX192	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX193	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX194	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX201	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX202	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX203	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX204	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX205	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX206	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX207	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX208	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX209	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX210	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX211	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX212	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX213	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX214	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX215	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX216	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX217	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX218	24794471	EL, 470μF, ±20%, 16V
CX221	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX222	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX224	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX225	24794220	EL, 22μF, ±20%, 16V
CX226	24794101	EL, 100μF, ±20%, 16V
CX227	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX228	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX230	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX231	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX232	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX234	24092293	Chip, 0.1μF, +80%, -20%, 25V

Location No.	Part No.	Description
CX235	24797229	EL, 2.2μF, ±20%, 50V
CX236	24794101	EL, 100μF, ±20%, 16V
CX237	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX238	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX239	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX240	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX241	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX242	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX243	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX244	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX245	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX246	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX247	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX248	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX249	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX250	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX251	24794471	EL, 470μF, ±20%, 16V
CX261	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX262	24774470	Chip, 47pF, CH
CX271	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX301	24794100	EL, 10μF, ±20%, 16V
CX302	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX303	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX304	24794100	EL, 10μF, ±20%, 16V
CX305	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX306	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX307	24794100	EL, 10μF, ±20%, 16V
CX308	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX309	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX310	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX311	24794100	EL, 10μF, ±20%, 16V
CX321	24794100	EL, 10μF, ±20%, 16V
CX322	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX323	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX324	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX325	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX326	24774680	Chip, 68pF, CH
CX328	24774330	Chip, 33pF, CH
CX329	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX330	24794470	EL, 47μF, ±20%, 16V
CX341	24794100	EL, 10μF, ±20%, 16V
CX342	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX343	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX344	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX345	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX346	24774181	Chip, 180pF, CH
CX348	24774181	Chip, 180pF, CH
CX349	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX350	24794470	EL, 47μF, ±20%, 16V
CX361	24794100	EL, 10μF, ±20%, 16V
CX362	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX363	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX364	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX365	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX366	24774181	Chip, 180pF, CH
CX368	24774181	Chip, 180pF, CH
CX369	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX370	24794470	EL, 47μF, ±20%, 16V
CX401	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX402	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX403	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX404	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX405	24794471	EL, 470μF, ±20%, 16V
CX406	24794471	EL, 470μF, ±20%, 16V

Location No.	Part No.	Description
CX407	24774220	Chip, 22pF, CH
CX408	24774220	Chip, 22pF, CH
CX409	24774220	Chip, 22pF, CH
CX410	24774220	Chip, 22pF, CH
CX411	24774220	Chip, 22pF, CH
CX412	24774220	Chip, 22pF, CH
CX421	24774221	Chip, 220pF, CH
CX422	24774221	Chip, 220pF, CH
CX423	24774221	Chip, 220pF, CH
CX424	24774221	Chip, 220pF, CH
CX425	24774221	Chip, 220pF, CH
CX427	24774221	Chip, 220pF, CH
CX428	24774330	Chip, 33pF, CH
CX429	24774330	Chip, 33pF, CH
CX430	24774221	Chip, 220pF, CH
CX431	24073020	EL, 1000μF, ±20%, 10V
CX432	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX433	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX434	24092441	Chip, 1μF, +80%, -20%
CX435	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX436	24092293	Chip, 0.1μF, +80%, -20%, 25V
CZ03	24092442	Chip, 0.47μF, +80%, -20%, 16V
CZ05	24814103	Chip, 0.01μF, +80%, -20%
CZ07	24092178	CD, 0.1μF, ±10%, 25V
CZ09	24781220	Chip, 22pF, SL
CZ10	24781100	Chip, 10pF, ±0.5pF%, SL
CZ11	24781220	Chip, 22pF, SL
CZ12	24814103	Chip, 0.01μF, +80%, -20%
CZ13	24814103	Chip, 0.01μF, +80%, -20%
CZ14	24203100	EL, 10μF, ±20%, 16V
CZ17	24814103	Chip, 0.01μF, +80%, -20%
CZ19	24781181	Chip, 180pF, SL
CZ20	24815103	Chip, 0.01μF, ±10%
CZ21	24781122	Chip, 1200pF, SL
CZ22	24203100	EL, 10μF, ±20%, 16V
CZ23	24814103	Chip, 0.01μF, +80%, -20%
CZ24	24814103	Chip, 0.01μF, +80%, -20%
CZ25	24203100	EL, 10μF, ±20%, 16V
CZ26	24814103	Chip, 0.01μF, +80%, -20%
CZ28	24814103	Chip, 0.01μF, +80%, -20%
CZ29	24814103	Chip, 0.01μF, +80%, -20%
CZ30	24203100	EL, 10μF, ±20%, 16V
CZ31	24092178	CD, 0.1μF, ±10%, 25V
CZ32	24781470	Chip, 47pF, SL
CZ33	24781470	Chip, 47pF, SL
CZ34	24781470	Chip, 47pF, SL
CZ35	24781470	Chip, 47pF, SL
CZ45	24781100	Chip, 10pF, ±0.5pF%, SL
RESISTORS		
R101	24366101	CF, 100 ohm
R102	24366103	CF, 10k ohm
R201	24872821	Chip, 820 ohm, 1/16W
R202	24872102	Chip, 1k ohm, 1/16W
R204	24872104	Chip, 100k ohm, 1/16W
R205	24872101	Chip, 100 ohm, 1/16W
R206	24872471	Chip, 470 ohm, 1/16W
R207	24872103	Chip, 10k ohm, 1/16W
R208	24366103	CF, 10k ohm
R208	24872103	Chip, 10k ohm, 1/16W
R209	24366103	CF, 10k ohm
R209	24872103	Chip, 10k ohm, 1/16W
R210	24872101	Chip, 100 ohm, 1/16W

Location No.	Part No.	Description
R211	24366563	CF, 56k ohm
R211	24872101	Chip, 100 ohm, 1/16W
R212	24872101	Chip, 100 ohm, 1/16W
R213	24872681	Chip, 680 ohm, 1/16W
R214	24872681	Chip, 680 ohm, 1/16W
R215	24872681	Chip, 680 ohm, 1/16W
R216	24872103	Chip, 10k ohm, 1/16W
R217	24366392	CF, 3900 ohm
R218	24872101	Chip, 100 ohm, 1/16W
R219	24366473	CF, 47k ohm
R219	24872101	Chip, 100 ohm, 1/16W
R220	24872101	Chip, 100 ohm, 1/16W
R223	24872472	Chip, 4700 ohm, 1/16W
R227	24366223	CF, 22k ohm
R229	24872392	Chip, 3900 ohm, 1/16W
R231	24872222	Chip, 2200 ohm, 1/16W
R235	24872222	Chip, 2200 ohm, 1/16W
R236	24872101	Chip, 100 ohm, 1/16W
R237	24872101	Chip, 100 ohm, 1/16W
R238	24872562	Chip, 5600 ohm, 1/16W
R240	24366102	CF, 1k ohm
R260	24872153	Chip, 15k ohm, 1/16W
R261	24872682	Chip, 6800 ohm, 1/16W
R266	24872102	Chip, 1k ohm, 1/16W
R267	24872182	Chip, 1800 ohm, 1/16W
R268	24872101	Chip, 100 ohm, 1/16W
R269	24872821	Chip, 820 ohm, 1/16W
R273	24872473	Chip, 47k ohm, 1/16W
R274	24872102	Chip, 1k ohm, 1/16W
R275	24872101	Chip, 100 ohm, 1/16W
R276	24872683	Chip, 68k ohm, 1/16W
R277	24872103	Chip, 10k ohm, 1/16W
R303	24321109	MF, 1 ohm, 1/2W
R305	24322159	MF, 1.5 ohm, 1W
R306	24366243	CF, 24k ohm
R309	24366303	CF, 30k ohm
R310	24366102	CF, 1k ohm
R312	24366153	CF, 15k ohm
R313	24366153	CF, 15k ohm
R314	24366102	CF, 1k ohm
R315	24366332	CF, 3300 ohm
R315	24872474	Chip, 470k ohm, 1/16W
R317	24366472	CF, 4700 ohm
R321	24366133	CF, 13k ohm(32WD96G)
R321	24366183	CF, 18k ohm(28WD96G)
R322	24366102	CF, 1k ohm
R323	24366103	CF, 10k ohm
R324	24366681	CF, 680 ohm
R325	24366103	CF, 10k ohm
R325	24366103	CF, 10k ohm
R327	24339159	MF, 1.5 ohm, 2W
R328	24366471	CF, 470 ohm
R330	24366103	CF, 10k ohm(32WD96G)
R330	24366123	CF, 12k ohm(28WD96G)
R336	24383391	OMF, 390 ohm, 2W
R341	24366822	CF, 8200 ohm
R343	24366273	CF, 27k ohm(32WD96G)
R343	24366153	CF, 15k ohm(28WD96G)
R353	24366621	CF, 620 ohm
R360	24872223	Chip, 22k ohm, 1/16W
R364	24872223	Chip, 22k ohm, 1/16W
R365	24872223	Chip, 22k ohm, 1/16W
R366	24872472	Chip, 4700 ohm, 1/16W
R370	24338159	MF, 1.5 ohm, 1W(32WD96G)

Location No.	Part No.	Description
R370	24322159	MF, 1.5 ohm, 1W(28WD96G)
R371	24366682	CF, 6800 ohm
R372	24366362	CF, 3600 ohm(32WD96G)
R372	24366202	CF, 2k ohm(28WD96G)
R373	24366182	CF, 1800 ohm
R374	24366153	CF, 15k ohm
R381	24366103	CF, 10k ohm
R382	24366433	CF, 43k ohm
R383	24366103	CF, 10k ohm
R384	24552100	OMF, 10 ohm, 1/2W
R385	24383101	OMF, 100 ohm, 2W
R399	24366684	CF, 680k ohm
R401	24872391	Chip, 390 ohm, 1/16W
R402	24872102	Chip, 1k ohm, 1/16W
R403	24872302	Chip, 3k ohm, 1/16W
R405	24553682	OMF, 6800 ohm, 1W
R407	24872103	Chip, 10k ohm, 1/16W
R411	24366180	CF, 18 ohm
R414	24531560	FR, 56 ohm, 1/2W
R415	24553561	OMF, 560 ohm, 1W
R416	24381563	OMF, 56k ohm, 1/2W
R417	24510101	Cement, 100 ohm, 5W
R424	24366152	CF, 1500 ohm
R425	24366182	CF, 1800 ohm
R426	24366751	CF, 750 ohm
R427	24366392	CF, 3900 ohm
R428	24366561	CF, 560 ohm
R429	24552560	OMF, 56 ohm, 1/2W
R435	24366184	CF, 180k ohm
R441	24383561	OMF, 560 ohm, 2W
R445	24321129	MF, 1.2 ohm, 1/2W(32WD96G)
R451	24061546	VR, 100 ohm (28WD96G)
R460	24552122	OMF, 1200 ohm, 1/2W
R461	24381123	OMF, 12k ohm, 1/2W
R462	24366333	CF, 33k ohm(32WD96G)
R462	24366114	CF, 110k ohm (28WD96G)
R463	24323229	MF, 2.2 ohm, 2W
R464	24366273	CF, 27k ohm
R465	24366101	CF, 100 ohm
R466	24366272	CF, 2700 ohm(32WD96G)
R466	24366182	CF, 1800 ohm(28WD96G)
R467	24327224	MF, 220k ohm, ±1%, 1/4W
R468	24366163	CF, 16k ohm
R469	24000211	FR, 15 ohm, 1/2W
R470	24339568	MF, 0.56 ohm, 2W
R471	24531271	FR, 270 ohm, 1/2W
R473	24366103	CF, 10k ohm
R474	24366473	CF, 47k ohm
R478	24381333	OMF, 33k ohm, 1/2W
R479	24531680	FR, 68 ohm, 1/2W
R480	24552222	OMF, 2200 ohm, 1/2W
R481	24366392	CF, 3900 ohm
R482	24366183	CF, 18k ohm
R483	24366223	CF, 22k ohm(32WD96G)
R483	24366102	CF, 22k ohm(28WD96G)
R487	24366474	CF, 470k ohm
R488	24366154	CF, 150k ohm
R490	24366101	CF, 100 ohm
R491	24366101	CF, 100 ohm
R492	24366472	CF, 4700 ohm
R499	24366101	CF, 100 ohm
R501	24872223	Chip, 22k ohm, 1/16W
R502	24872101	Chip, 100 ohm, 1/16W
R503	24872101	Chip, 100 ohm, 1/16W

Location No.	Part No.	Description
R505	24872102	Chip, 1k ohm, 1/16W
R506	24872103	Chip, 10k ohm, 1/16W
R508	24872102	Chip, 1k ohm, 1/16W
R509	24872102	Chip, 1k ohm, 1/16W
R510	24872472	Chip, 4700 ohm, 1/16W
R511	24872101	Chip, 100 ohm, 1/16W
R513	24366472	CF, 4700 ohm
R514	24366101	CF, 100 ohm
R516	24872101	Chip, 100 ohm, 1/16W
R517	24366102	CF, 1k ohm
R517	24872101	Chip, 100 ohm, 1/16W
R518	24366102	CF, 1k ohm
R518	24872472	Chip, 4700 ohm, 1/16W
R519	24872101	Chip, 100 ohm, 1/16W
R532	24000824	Chip, Jumper, 2125 type
R533	24000824	Chip, Jumper, 2125 type
R534	24000824	Chip, Jumper, 2125 type
R609	24366563	CF, 56k ohm
R610	24366103	CF, 10k ohm
R611	24366103	CF, 10k ohm
R612	24366103	CF, 10k ohm
R613	24366224	CF, 220k ohm
R661	24552221	OMF, 220 ohm, 1/2W
R662	24366104	CF, 100k ohm
R662	24552221	OMF, 220 ohm, 1/2W
R670	24366272	CF, 2700 ohm
R671	24366392	CF, 3900 ohm
R672	24366272	CF, 2700 ohm
R673	24366392	CF, 3900 ohm
R674	24366103	CF, 10k ohm
R675	24366272	CF, 2700 ohm
R676	24366223	CF, 22k ohm
R676	24872223	Chip, 22k ohm, 1/16W
R677	24366223	CF, 22k ohm
R677	24872223	Chip, 22k ohm, 1/16W
R678	24872223	Chip, 22k ohm, 1/16W
R679	24872223	Chip, 22k ohm, 1/16W
R680	24872223	Chip, 22k ohm, 1/16W
R681	24872223	Chip, 22k ohm, 1/16W
R682	24366104	CF, 100k ohm
R683	24366273	CF, 27k ohm
R684	24366229	CF, 2.2 ohm
R685	24366229	CF, 2.2 ohm
R686	24366229	CF, 2.2 ohm
R688	24366222	CF, 2200 ohm
R690	24872681	Chip, 680 ohm, 1/16W
R691	24872681	Chip, 680 ohm, 1/16W
R692	24872681	Chip, 680 ohm, 1/16W
R693	24872681	Chip, 680 ohm, 1/16W
R702	24552221	OMF, 220 ohm, 1/2W
R712	24366101	CF, 100 ohm
R715	24366223	CF, 22k ohm
R716	24366273	CF, 27k ohm
R717	24366183	CF, 18k ohm
R718	24366681	CF, 680 ohm
R722	24552471	OMF, 470 ohm, 1/2W
R723	24366101	CF, 100 ohm
R724	24366820	CF, 82 ohm
R725	24366821	CF, 820 ohm
R730	24552100	OMF, 10 ohm, 1/2W
R731	24553331	OMF, 330 ohm, 1W (32WD96G)
R731	24552331	OMF, 330 ohm, 1/2W (28WD96G)

Location No.	Part No.	Description
R732	24366220	CF, 22 ohm
R733	24366683	CF, 68k ohm
R734	24366220	CF, 22 ohm
R735	24366683	CF, 68k ohm
R736	24366470	CF, 47 ohm
R737	24366681	CF, 680 ohm
R738	24366123	CF, 12k ohm
R739	24366681	CF, 680 ohm
R740	24366470	CF, 47 ohm
R741	24366229	CF, 2.2 ohm
R742	24366229	CF, 2.2 ohm
R743	24554101	OMF, 100 ohm, 2W
R744	24366122	CF, 1200 ohm
R745	24366122	CF, 1200 ohm
⚠R801	24009954	Metal-Glazed Resistor, 2.2M ohm, 1/2W
R803	24383333	OMF, 33k ohm, 2W
R804	24366334	CF, 330k ohm
R805	24366681	CF, 680 ohm
R807	24366334	CF, 330k ohm
R808	24019340	PTC Thermistor, 18 ohm, 290V
R809	24366393	CF, 39k ohm
R810	24007863	Cement, 3.3 ohm, 15W
R811	24568271	Cement, 270 ohm, 7W
R814	24366682	CF, 6800 ohm
R815	24366332	CF, 3300 ohm
R818	24019460	MF, 0.1 ohm, 2W
R819	24310829	MF, 8.2 ohm, 1/2W
R821	24366101	CF, 100 ohm
R822	24552103	OMF, 10k ohm, 1/2W
R823	24552822	OMF, 8200 ohm, 1/2W
R824	24569689	Cement, 6.8 ohm, 10W
R827	24366681	CF, 680 ohm
R828	24366821	CF, 820 ohm
R829	24321338	MF, 0.33 ohm, 1/2W
R834	24366471	CF, 470 ohm
R841	24531120	FR, 12 ohm, 1/2W
R846	24366101	CF, 100 ohm
R847	24366472	CF, 4700 ohm
R849	24366471	CF, 470 ohm
R875	24366332	CF, 3300 ohm
R876	24366472	CF, 4700 ohm
R890	24553333	OMF, 33k ohm, 1W
R891	24383102	OMF, 1k ohm, 2W
⚠R899	24005015	Metal-Glazed Resistor, 8.2M ohm, 1W
R901	24376561	CF, 560 ohm, 1/2W
R902	24376561	CF, 560 ohm, 1/2W
R903	24376561	CF, 560 ohm, 1/2W
R904	24366472	CF, 4700 ohm
R905	24366150	CF, 15 ohm
R909	24366100	CF, 10 ohm
R912	24366102	CF, 1k ohm
R914	24366471	CF, 470 ohm
R915	24366680	CF, 68 ohm
R916	24366180	CF, 18 ohm
R917	24366471	CF, 470 ohm
R918	24366180	CF, 18 ohm
R919	24366102	CF, 1k ohm
R920	24000880	FR, 5.1 ohm, 1W
R921	24366471	CF, 470 ohm
R922	24366680	CF, 68 ohm
R923	24366272	CF, 2700 ohm

Location No.	Part No.	Description
R924	24366180	CF, 18 ohm
R925	24366471	CF, 470 ohm
R926	24366102	CF, 1k ohm
R927	24366102	CF, 1k ohm
R928	24366471	CF, 470 ohm
R929	24366680	CF, 68 ohm
R930	24366180	CF, 18 ohm
R932	24366332	CF, 3300 ohm
R933	24366750	CF, 75 ohm
R934	24366361	CF, 360 ohm
R935	24366102	CF, 1k ohm
R936	24366750	CF, 75 ohm
R937	24366471	CF, 470 ohm
R939	24366680	CF, 68 ohm
R941	24366471	CF, 470 ohm
R942	24366392	CF, 3900 ohm
R943	24366392	CF, 3900 ohm
R944	24366392	CF, 3900 ohm
R945	24366180	CF, 18 ohm
R946	24366180	CF, 18 ohm
R947	24366561	CF, 560 ohm
R948	24366822	CF, 8200 ohm
R949	24366271	CF, 270 ohm
R960	24383153	OMF, 15k ohm, 2W
R961	24383153	OMF, 15k ohm, 2W
R962	24383153	OMF, 15k ohm, 2W
R963	24383153	OMF, 15k ohm, 2W
R964	24383153	OMF, 15k ohm, 2W
R965	24383153	OMF, 15k ohm, 2W
R966	24383153	OMF, 15k ohm, 2W
R967	24383153	OMF, 15k ohm, 2W
R968	24383153	OMF, 15k ohm, 2W
R969	24366101	CF, 100 ohm
R970	24366101	CF, 100 ohm
R971	24366101	CF, 100 ohm
R972	24366272	CF, 2700 ohm
R973	24366103	CF, 10k ohm
R974	24366103	CF, 10k ohm
R975	24366103	CF, 10k ohm
R976	24366272	CF, 2700 ohm
R977	24366561	CF, 560 ohm
R978	24366272	CF, 2700 ohm
R979	24366272	CF, 2700 ohm
R980	24366471	CF, 470 ohm
R981	24366471	CF, 470 ohm
R982	24366682	CF, 6800 ohm
R983	24366222	CF, 2200 ohm
R984	24366821	CF, 820 ohm
R985	24367471	CF, 470 ohm, ±2%
R986	24367681	CF, 680 ohm, ±2%
R987	24367681	CF, 680 ohm, ±2%
R988	24367472	CF, 4700 ohm, ±2%
R989	24367472	CF, 4700 ohm, ±2%
R990	24366561	CF, 560 ohm
R991	24367391	CF, 390 ohm, ±2%
R992	24366150	CF, 15 ohm
R994	24366331	CF, 330 ohm
R995	24366561	CF, 560 ohm
R996	24366222	CF, 2200 ohm
R997	24366102	CF, 1k ohm
R999	24366102	CF, 1k ohm
R4371	24366684	CF, 680k ohm
R4372	24366153	CF, 15k ohm
R4373	24366101	CF, 100 ohm

Location No.	Part No.	Description
R4374	24366101	CF, 100 ohm
R4375	24366101	CF, 100 ohm
R4378	24366154	CF, 150k ohm (32WD96G)
R4378	24366474	CF, 470k ohm (28WD96G)
R4379	24366104	CF, 100k ohm (32WD96G)
R4379	24366334	CF, 100k ohm (28WD96G)
R4385	24366301	CF, 300 ohm(32WD96G)
R4386	24366473	CF, 47k ohm
R4387	24366681	CF, 680 ohm(32WD96G)
R4403	24366101	CF, 100 ohm
R4404	24366101	CF, 100 ohm
R4406	24366752	CF, 7500 ohm
R4407	24366361	CF, 360 ohm
R4410	24366103	CF, 10k ohm
R4416	24366101	CF, 100 ohm
R4417	24366101	CF, 100 ohm
R4418	24366102	CF, 1k ohm
R4422	24366101	CF, 100 ohm
R4425	24552471	OMF, 470 ohm, 1/2W
R4426	24366152	CF, 1500 ohm
R4460	24872102	Chip, 1k ohm, 1/16W
R4461	24872102	Chip, 1k ohm, 1/16W
R4462	24872133	Chip, 13k ohm, 1/16W
R4463	24872682	Chip, 6800 ohm, 1/16W
R4464	24872223	Chip, 22k ohm, 1/16W
R4472	24872223	Chip, 22k ohm, 1/16W
R4490	24382222	OMF, 2200 ohm, 1W
R4491	24366392	CF, 3900 ohm
R4492	24366103	CF, 10k ohm
R4493	24382104	OMF, 100k ohm, 1W
RA02	24366102	CF, 1k ohm
RA03	24366102	CF, 1k ohm
RA04	24366102	CF, 1k ohm
RA05	24366102	CF, 1k ohm
RA07	24366102	CF, 1k ohm
RA08	24366102	CF, 1k ohm
RA10	24366101	CF, 100 ohm
RA12	24366472	CF, 4700 ohm
RA13	24366153	CF, 15k ohm
RA14	24366153	CF, 15k ohm
RA15	24366103	CF, 10k ohm
RA16	24366102	CF, 1k ohm
RA17	24366102	CF, 1k ohm
RA18	24366102	CF, 1k ohm
RA19	24366331	CF, 330 ohm
RA20	24366331	CF, 330 ohm
RA21	24366331	CF, 330 ohm
RA22	24366331	CF, 330 ohm
RA23	24366472	CF, 4700 ohm
RA24	24366472	CF, 4700 ohm
RA26	24366102	CF, 1k ohm
RA27	24366102	CF, 1k ohm
RA29	24366102	CF, 1k ohm
RA29	24366104	CF, 100k ohm
RA30	24366102	CF, 1k ohm
RA30	24366103	CF, 10k ohm
RA31	24366561	CF, 560 ohm
RA33	24366103	CF, 10k ohm
RA35	24366102	CF, 1k ohm
RA37	24366101	CF, 100 ohm
RA38	24366101	CF, 100 ohm
RA40	24366331	CF, 330 ohm
RA41	24366273	CF, 27k ohm
RA43	24366102	CF, 1k ohm

Location No.	Part No.	Description
RA44	24366103	CF, 10k ohm
RA47	24366103	CF, 10k ohm
RA48	24366103	CF, 10k ohm
RA65	24366103	CF, 10k ohm
RA66	24366103	CF, 10k ohm
RA67	24366472	CF, 4700 ohm
RA70	24366333	CF, 33k ohm
RA71	24366683	CF, 68k ohm
RA72	24366223	CF, 22k ohm
RA73	24366103	CF, 10k ohm
RA75	24366333	CF, 33k ohm
RA76	24366103	CF, 10k ohm
RA77	24366223	CF, 22k ohm
RA78	24366102	CF, 1k ohm
RA78	24366683	CF, 68k ohm
RA80	24366331	CF, 330 ohm
RA81	24366331	CF, 330 ohm
RA82	24366103	CF, 10k ohm
RA91	24366223	CF, 22k ohm
RB01	24366271	CF, 270 ohm
RB02	24366271	CF, 270 ohm
RB03	24366101	CF, 100 ohm
RB09	24366470	CF, 47 ohm
RB10	24366101	CF, 100 ohm
RB11	24366103	CF, 10k ohm
RB30	24366103	CF, 10k ohm
RB43	24366103	CF, 10k ohm
RB44	24366103	CF, 10k ohm
RB45	24366101	CF, 100 ohm
RB81	24366122	CF, 1200 ohm
RB82	24366123	CF, 12k ohm
RB83	24366123	CF, 12k ohm
RB84	24366562	CF, 5600 ohm
RB90	24366392	CF, 3900 ohm
RB91	24366473	CF, 47k ohm
RB92	24366271	CF, 270 ohm
RB93	24366271	CF, 270 ohm
RB94	24366222	CF, 2200 ohm
RB95	24366222	CF, 2200 ohm
RB96	24366273	CF, 27k ohm
RB97	24366273	CF, 27k ohm
RB98	24366102	CF, 1k ohm
RD06	24366102	CF, 1k ohm
RD08	24366102	CF, 1k ohm
RD10	24366102	CF, 1k ohm
RD14	24366102	CF, 1k ohm
RD15	24366102	CF, 1k ohm
RD16	24366333	CF, 33k ohm
RD28	24366102	CF, 1k ohm
RD30	24366223	CF, 22k ohm
RD31	24366103	CF, 10k ohm
RF02	24366393	CF, 39k ohm
RF05	24872682	Chip, 6800 ohm, 1/16W
RF06	24872223	Chip, 22k ohm, 1/16W
RF07	24872332	Chip, 3300 ohm, 1/16W
RF09	24872683	Chip, 68k ohm, 1/16W
RF10	24872103	Chip, 10k ohm, 1/16W
RF11	24872471	Chip, 470 ohm, 1/16W
RF12	24872104	Chip, 100k ohm, 1/16W
RF16	24872152	Chip, 1500 ohm, 1/16W
RF17	24872102	Chip, 1k ohm, 1/16W
RF18	24872103	Chip, 10k ohm, 1/16W
RF19	24872102	Chip, 1k ohm, 1/16W
RF21	24872101	Chip, 100 ohm, 1/16W

Location No.	Part No.	Description
RF22	24872101	Chip, 100 ohm, 1/16W
RF23	24872101	Chip, 100 ohm, 1/16W
RF24	24872332	Chip, 3300 ohm, 1/16W
RF25	24872332	Chip, 3300 ohm, 1/16W
RF29	24872103	Chip, 10k ohm, 1/16W
RF31	24872103	Chip, 10k ohm, 1/16W
RF32	24872103	Chip, 10k ohm, 1/16W
RF33	24872103	Chip, 10k ohm, 1/16W
RF34	24872103	Chip, 10k ohm, 1/16W
RF36	24872103	Chip, 10k ohm, 1/16W
RF37	24872103	Chip, 10k ohm, 1/16W
RF38	24872103	Chip, 10k ohm, 1/16W
RF41	24872103	Chip, 10k ohm, 1/16W
RF42	24872473	Chip, 47k ohm, 1/16W
RF43	24872332	Chip, 3300 ohm, 1/16W
RF44	24872332	Chip, 3300 ohm, 1/16W
RF45	24872103	Chip, 10k ohm, 1/16W
RF46	24872471	Chip, 470 ohm, 1/16W
RF47	24000824	Chip, Jumper, 2125 type
RF51	24872103	Chip, 10k ohm, 1/16W
RF52	24872332	Chip, 3300 ohm, 1/16W
RG01	24552101	OMF, 100 ohm, 1/2W
RG03	24007045	Cement, 3.9 ohm, 5W
RG05	24383393	OMF, 39k ohm, 2W
RG10	24366620	CF, 62 ohm
RG13	24366102	CF, 1k ohm
RG14	24366102	CF, 1k ohm
RG16	24553101	OMF, 100 ohm, 1W
RG17	24366102	CF, 1k ohm
RG20	24552103	OMF, 10k ohm, 1/2W
RG21	24546209	FR, 2 ohm, 1/2W
RG23	24366471	CF, 470 ohm
RG24	24367682	CF, 6800 ohm, ±2%
RG25	24366101	CF, 100 ohm
RG26	24367682	CF, 6800 ohm, ±2%
RG28	24366222	CF, 2200 ohm
RG29	24366151	CF, 150 ohm
RG31	24366681	CF, 680 ohm
RG32	24366271	CF, 270 ohm
RG75	24552122	OMF, 1200 ohm, 1/2W
RJ02	24872101	Chip, 100 ohm, 1/16W
RK01	24872102	Chip, 1k ohm, 1/16W
RK03	24872101	Chip, 100 ohm, 1/16W
RK09	24872102	Chip, 1k ohm, 1/16W
RK11	24872102	Chip, 1k ohm, 1/16W
RK12	24872102	Chip, 1k ohm, 1/16W
RK13	24872472	Chip, 4700 ohm, 1/16W
RK14	24872102	Chip, 1k ohm, 1/16W
RK15	24872103	Chip, 10k ohm, 1/16W
RK16	24872101	Chip, 100 ohm, 1/16W
RK17	24872101	Chip, 100 ohm, 1/16W
RK23	24872472	Chip, 4700 ohm, 1/16W
RK25	24872103	Chip, 10k ohm, 1/16W
RK30	24872101	Chip, 100 ohm, 1/16W
RK31	24872103	Chip, 10k ohm, 1/16W
RK32	24872333	Chip, 33k ohm, 1/16W
RK33	24872223	Chip, 22k ohm, 1/16W
RK34	24872101	Chip, 100 ohm, 1/16W
RK35	24872102	Chip, 1k ohm, 1/16W
RK36	24872333	Chip, 33k ohm, 1/16W
RK37	24872223	Chip, 22k ohm, 1/16W
RK38	24872101	Chip, 100 ohm, 1/16W
RK39	24872102	Chip, 1k ohm, 1/16W
RK40	24872103	Chip, 10k ohm, 1/16W

Location No.	Part No.	Description
RK41	24872103	Chip, 10k ohm, 1/16W
RK43	24872223	Chip, 22k ohm, 1/16W
RK51	24872101	Chip, 100 ohm, 1/16W
RK52	24872101	Chip, 100 ohm, 1/16W
RK53	24872101	Chip, 100 ohm, 1/16W
RK54	24872103	Chip, 10k ohm, 1/16W
RK55	24872102	Chip, 1k ohm, 1/16W
RK56	24872561	Chip, 560 ohm, 1/16W
RK57	24872102	Chip, 1k ohm, 1/16W
RK58	24872153	Chip, 15k ohm, 1/16W
RK59	24872101	Chip, 100 ohm, 1/16W
RK60	24872223	Chip, 22k ohm, 1/16W
RK61	24872822	Chip, 8200 ohm, 1/16W
RK62	24872103	Chip, 10k ohm, 1/16W
RK63	24872103	Chip, 10k ohm, 1/16W
RK64	24872103	Chip, 10k ohm, 1/16W
RK65	24872103	Chip, 10k ohm, 1/16W
RK66	24872103	Chip, 10k ohm, 1/16W
RK67	24872102	Chip, 1k ohm, 1/16W
RK68	24872563	Chip, 56k ohm, 1/16W
RK69	24872392	Chip, 3900 ohm, 1/16W
RK70	24872472	Chip, 4700 ohm, 1/16W
RK71	24872272	Chip, 2700 ohm, 1/16W
RK72	24872822	Chip, 8200 ohm, 1/16W
RK73	24872822	Chip, 8200 ohm, 1/16W
RK74	24872222	Chip, 2200 ohm, 1/16W
RK76	24872102	Chip, 1k ohm, 1/16W
RK79	24872822	Chip, 8200 ohm, 1/16W
RK80	24872472	Chip, 4700 ohm, 1/16W
RK81	24872222	Chip, 2200 ohm, 1/16W
RK82	24872472	Chip, 4700 ohm, 1/16W
RK83	24872472	Chip, 4700 ohm, 1/16W
RQ01	24872102	Chip, 1k ohm, 1/16W
RQ03	24872102	Chip, 1k ohm, 1/16W
RQ04	24872511	Chip, 510 ohm, 1/16W
RQ05	24872471	Chip, 470 ohm, 1/16W
RQ06	24872471	Chip, 470 ohm, 1/16W
RQ07	24872103	Chip, 10k ohm, 1/16W
RQ08	24872102	Chip, 1k ohm, 1/16W
RQ09	24872102	Chip, 1k ohm, 1/16W
RQ10	24872102	Chip, 1k ohm, 1/16W
RQ11	24872561	Chip, 560 ohm, 1/16W
RQ12	24872561	Chip, 560 ohm, 1/16W
RQ13	24872203	Chip, 20k ohm, 1/16W
RQ14	24872273	Chip, 27k ohm, 1/16W
RQ20	24872563	Chip, 56k ohm, 1/16W
RR01	24366102	CF, 1k ohm
RR01	24872181	Chip, 180 ohm, 1/16W
RR02	24366104	CF, 100k ohm
RR02	24872181	Chip, 180 ohm, 1/16W
RR03	24366222	CF, 2200 ohm
RR03	24872181	Chip, 180 ohm, 1/16W
RR04	24366101	CF, 100 ohm
RR04	24872102	Chip, 1k ohm, 1/16W
RR05	24366102	CF, 1k ohm
RR05	24872102	Chip, 1k ohm, 1/16W
RR06	24000824	Chip, Jumper, 2125 type
RR06	24366223	CF, 22k ohm
RR07	24000824	Chip, Jumper, 2125 type
RR07	24366152	CF, 1500 ohm
RR08	24366332	CF, 3300 ohm
RR09	24000824	Chip, Jumper, 2125 type
RR09	24366222	CF, 2200 ohm
RR10	24366102	CF, 1k ohm

Location No.	Part No.	Description
RR10	24872103	Chip, 10k ohm, 1/16W
RR11	24366681	CF, 680 ohm
RR11	24872473	Chip, 47k ohm, 1/16W
RR12	24366152	CF, 1500 ohm
RR12	24872102	Chip, 1k ohm, 1/16W
RR13	24366152	CF, 1500 ohm
RR13	24872622	Chip, 6200 ohm, 1/16W
RR15	24366391	CF, 390 ohm
RR16	24366391	CF, 390 ohm
RR17	24366391	CF, 390 ohm
RR18	24366102	CF, 1k ohm
RR20	24872103	Chip, 10k ohm, 1/16W
RR22	24366103	CF, 10k ohm
RR23	24366103	CF, 10k ohm
RR24	24000824	Chip, Jumper, 2125 type
RR25	24872102	Chip, 1k ohm, 1/16W
RR28	24872473	Chip, 47k ohm, 1/16W
RR29	24872473	Chip, 47k ohm, 1/16W
RR32	24872331	Chip, 330 ohm, 1/16W
RR33	24872331	Chip, 330 ohm, 1/16W
RR34	24872331	Chip, 330 ohm, 1/16W
RR35	24366392	CF, 3900 ohm
RR36	24366392	CF, 3900 ohm
RR37	24366392	CF, 3900 ohm
RR40	24366102	CF, 1k ohm
RR41	24366332	CF, 3300 ohm
RR48	24366102	CF, 1k ohm
RR99	24366152	CF, 1500 ohm
RS01	24872681	Chip, 680 ohm, 1/16W
RS02	24872681	Chip, 680 ohm, 1/16W
RS03	24872101	Chip, 100 ohm, 1/16W
RS04	24872101	Chip, 100 ohm, 1/16W
RS05	24872472	Chip, 4700 ohm, 1/16W
RS06	24872472	Chip, 4700 ohm, 1/16W
RS07	24872472	Chip, 4700 ohm, 1/16W
RS08	24872472	Chip, 4700 ohm, 1/16W
RS09	24872472	Chip, 4700 ohm, 1/16W
RS10	24872472	Chip, 4700 ohm, 1/16W
RS13	24872101	Chip, 100 ohm, 1/16W
RS14	24872101	Chip, 100 ohm, 1/16W
RS15	24872104	Chip, 100k ohm, 1/16W
RS16	24872104	Chip, 100k ohm, 1/16W
RS17	24872223	Chip, 22k ohm, 1/16W
RS18	24872223	Chip, 22k ohm, 1/16W
RS19	24872102	Chip, 1k ohm, 1/16W
RS20	24872102	Chip, 1k ohm, 1/16W
RS21	24872222	Chip, 2200 ohm, 1/16W
RS22	24872222	Chip, 2200 ohm, 1/16W
RS23	24872101	Chip, 100 ohm, 1/16W
RS24	24872101	Chip, 100 ohm, 1/16W
RS27	24872104	Chip, 100k ohm, 1/16W
RS28	24872104	Chip, 100k ohm, 1/16W
RS29	24872223	Chip, 22k ohm, 1/16W
RS30	24872223	Chip, 22k ohm, 1/16W
RS31	24872103	Chip, 10k ohm, 1/16W
RS32	24872104	Chip, 100k ohm, 1/16W
RS35	24872223	Chip, 22k ohm, 1/16W
RS36	24872223	Chip, 22k ohm, 1/16W
RS37	24872104	Chip, 100k ohm, 1/16W
RS38	24872104	Chip, 100k ohm, 1/16W
RS43	24872681	Chip, 680 ohm, 1/16W
RS44	24872681	Chip, 680 ohm, 1/16W
RS45	24872681	Chip, 680 ohm, 1/16W
RS46	24872681	Chip, 680 ohm, 1/16W

Location No.	Part No.	Description
RV01	24872101	Chip, 100 ohm, 1/16W
RV02	24872101	Chip, 100 ohm, 1/16W
RV03	24872101	Chip, 100 ohm, 1/16W
RV04	24872101	Chip, 100 ohm, 1/16W
RV05	24872101	Chip, 100 ohm, 1/16W
RV06	24872101	Chip, 100 ohm, 1/16W
RV07	24872162	Chip, 1.6k ohm, 1/16W
RV08	24872162	Chip, 1.6k ohm, 1/16W
RV09	24872101	Chip, 100 ohm, 1/16W
RV10	24872101	Chip, 100 ohm, 1/16W
RV12	24872681	Chip, 680 ohm, 1/16W
RV13	24872681	Chip, 680 ohm, 1/16W
RV16	24872271	Chip, 270 ohm, 1/16W
RV18	24872123	Chip, 12k ohm, 1/16W
RV19	24872101	Chip, 100 ohm, 1/16W
RV22	24366222	CF, 2200 ohm
RV23	24552101	OMF, 100 ohm, 1/2W
RV24	24366181	CF, 180 ohm
RV25	24872101	Chip, 100 ohm, 1/16W
RV26	24366181	CF, 180 ohm
RV27	24872750	Chip, 75 ohm, 1/16W
RV28	24872683	Chip, 68k ohm, 1/16W
RV29	24872273	Chip, 27k ohm, 1/16W
RV30	24872750	Chip, 75 ohm, 1/16W
RV31	24872750	Chip, 75 ohm, 1/16W
RV32	24872750	Chip, 75 ohm, 1/16W
RV33	24872123	Chip, 12k ohm, 1/16W
RV34	24872123	Chip, 12k ohm, 1/16W
RV35	24872103	Chip, 10k ohm, 1/16W
RV36	24872101	Chip, 100 ohm, 1/16W
RV37	24872750	Chip, 75 ohm, 1/16W
RV60	24872102	Chip, 1k ohm, 1/16W
RV61	24552101	OMF, 100 ohm, 1/2W
RV62	24872101	Chip, 100 ohm, 1/16W
RV63	24366151	CF, 150 ohm
RV64	24872750	Chip, 75 ohm, 1/16W
RV65	24552101	OMF, 100 ohm, 1/2W
RV66	24872750	Chip, 75 ohm, 1/16W
RV67	24366151	CF, 150 ohm
RV68	24872101	Chip, 100 ohm, 1/16W
RV70	24872101	Chip, 100 ohm, 1/16W
RV71	24872472	Chip, 4700 ohm, 1/16W
RV73	24872103	Chip, 10k ohm, 1/16W
RV74	24872104	Chip, 100k ohm, 1/16W
RV78	24872100	Chip, 10 ohm, 1/16W
RV79	24872471	Chip, 470 ohm, 1/16W
RV80	24366681	CF, 680 ohm
RV80	24872271	Chip, 270 ohm, 1/16W
RV81	24872750	Chip, 75 ohm, 1/16W
RV82	24872101	Chip, 100 ohm, 1/16W
RV83	24366681	CF, 680 ohm
RV85	24872750	Chip, 75 ohm, 1/16W
RV86	24872750	Chip, 75 ohm, 1/16W
RV87	24872750	Chip, 75 ohm, 1/16W
RV89	24872750	Chip, 75 ohm, 1/16W
RV90	24872681	Chip, 680 ohm, 1/16W
RV91	24872681	Chip, 680 ohm, 1/16W
RV92	24872100	Chip, 10 ohm, 1/16W
RV93	24872104	Chip, 100k ohm, 1/16W
RV94	24872103	Chip, 10k ohm, 1/16W
RV95	24872472	Chip, 4700 ohm, 1/16W
RV97	24872101	Chip, 100 ohm, 1/16W
RX101	24872220	Chip, 22 ohm, 1/16W
RX102	24872681	Chip, 680 ohm, 1/16W

Location No.	Part No.	Description
RX103	24872221	Chip, 220 ohm, 1/16W
RX104	24872821	Chip, 820 ohm, 1/16W
RX106	24872331	Chip, 330 ohm, 1/16W
RX107	24872821	Chip, 820 ohm, 1/16W
RX108	24872680	Chip, 68 ohm, 1/16W
RX109	24872331	Chip, 330 ohm, 1/16W
RX110	24872821	Chip, 820 ohm, 1/16W
RX111	24872121	Chip, 120 ohm, 1/16W
RX112	24872100	Chip, 10 ohm, 1/16W
RX113	24872471	Chip, 470 ohm, 1/16W
RX114	24872681	Chip, 680 ohm, 1/16W
RX115	24872105	Chip, 1M ohm, 1/16W
RX141	24872220	Chip, 22 ohm, 1/16W
RX142	24872471	Chip, 470 ohm, 1/16W
RX143	24872153	Chip, 15k ohm, 1/16W
RX144	24872103	Chip, 10k ohm, 1/16W
RX145	24872331	Chip, 330 ohm, 1/16W
RX146	24872301	Chip, 300 ohm, 1/16W
RX147	24872681	Chip, 680 ohm, 1/16W
RX148	24872103	Chip, 10k ohm, 1/16W
RX149	24872103	Chip, 10k ohm, 1/16W
RX150	24872100	Chip, 10 ohm, 1/16W
RX151	24872102	Chip, 1k ohm, 1/16W
RX152	24872331	Chip, 330 ohm, 1/16W
RX155	24872102	Chip, 1k ohm, 1/16W
RX156	24872821	Chip, 820 ohm, 1/16W
RX157	24872471	Chip, 470 ohm, 1/16W
RX158	24872471	Chip, 470 ohm, 1/16W
RX161	24872220	Chip, 22 ohm, 1/16W
RX162	24872471	Chip, 470 ohm, 1/16W
RX163	24872153	Chip, 15k ohm, 1/16W
RX164	24872103	Chip, 10k ohm, 1/16W
RX165	24872331	Chip, 330 ohm, 1/16W
RX166	24872301	Chip, 300 ohm, 1/16W
RX167	24872681	Chip, 680 ohm, 1/16W
RX168	24872103	Chip, 10k ohm, 1/16W
RX169	24872103	Chip, 10k ohm, 1/16W
RX170	24872100	Chip, 10 ohm, 1/16W
RX171	24872102	Chip, 1k ohm, 1/16W
RX172	24872331	Chip, 330 ohm, 1/16W
RX175	24872102	Chip, 1k ohm, 1/16W
RX176	24872821	Chip, 820 ohm, 1/16W
RX177	24872471	Chip, 470 ohm, 1/16W
RX178	24872471	Chip, 470 ohm, 1/16W
RX181	24872680	Chip, 68 ohm, 1/16W
RX185	24872100	Chip, 10 ohm, 1/16W
RX186	24000824	Chip, Jumper, 2125 type
RX201	24872103	Chip, 10k ohm, 1/16W
RX202	24872103	Chip, 10k ohm, 1/16W
RX203	24872103	Chip, 10k ohm, 1/16W
RX204	24000824	Chip, Jumper, 2125 type
RX205	24019439	Chip, 47 ohm, 1/16W
RX206	24019439	Chip, 47 ohm, 1/16W
RX207	24019439	Chip, 47 ohm, 1/16W
RX208	24019439	Chip, 47 ohm, 1/16W
RX209	24019439	Chip, 47 ohm, 1/16W
RX210	24019439	Chip, 47 ohm, 1/16W
RX211	24019439	Chip, 47 ohm, 1/16W
RX212	24019439	Chip, 47 ohm, 1/16W
RX213	24872103	Chip, 10k ohm, 1/16W
RX214	24872103	Chip, 10k ohm, 1/16W
RX215	24872103	Chip, 10k ohm, 1/16W
RX221	24000824	Chip, Jumper, 2125 type
RX222	24872100	Chip, 10 ohm, 1/16W

Location No.	Part No.	Description
RX223	24872100	Chip, 10 ohm, 1/16W
RX225	24872151	Chip, 150 ohm, 1/16W
RX226	24872331	Chip, 330 ohm, 1/16W
RX229	24872332	Chip, 3300 ohm, 1/16W
RX230	24872103	Chip, 10k ohm, 1/16W
RX231	24000824	Chip, Jumper, 2125 type
RX232	24872100	Chip, 10 ohm, 1/16W
RX233	24872100	Chip, 10 ohm, 1/16W
RX235	24872274	Chip, 270k ohm, 1/16W
RX236	24872472	Chip, 4700 ohm, 1/16W
RX237	24872221	Chip, 220 ohm, 1/16W
RX240	24872272	Chip, 2700 ohm, 1/16W
RX251	24872470	Chip, 47 ohm, 1/16W
RX252	24872470	Chip, 47 ohm, 1/16W
RX253	24872470	Chip, 47 ohm, 1/16W
RX254	24872470	Chip, 47 ohm, 1/16W
RX255	24872470	Chip, 47 ohm, 1/16W
RX256	24000824	Chip, Jumper, 2125 type
RX258	24000824	Chip, Jumper, 2125 type
RX259	24000824	Chip, Jumper, 2125 type
RX261	24872101	Chip, 100 ohm, 1/16W
RX263	24872101	Chip, 100 ohm, 1/16W
RX271	24872103	Chip, 10k ohm, 1/16W
RX272	24872103	Chip, 10k ohm, 1/16W
RX273	24872103	Chip, 10k ohm, 1/16W
RX281	24019439	Chip, 47 ohm, 1/16W
RX282	24872470	Chip, 47 ohm, 1/16W
RX283	24872470	Chip, 47 ohm, 1/16W
RX284	24872332	Chip, 3300 ohm, 1/16W
RX285	24872470	Chip, 47 ohm, 1/16W
RX286	24872470	Chip, 47 ohm, 1/16W
RX287	24872470	Chip, 47 ohm, 1/16W
RX288	24872470	Chip, 47 ohm, 1/16W
RX289	24872470	Chip, 47 ohm, 1/16W
RX301	24872151	Chip, 150 ohm, 1/16W
RX302	24872272	Chip, 2700 ohm, 1/16W
RX303	24872151	Chip, 150 ohm, 1/16W
RX304	24872272	Chip, 2700 ohm, 1/16W
RX305	24872151	Chip, 150 ohm, 1/16W
RX306	24872272	Chip, 2700 ohm, 1/16W
RX307	24872222	Chip, 2200 ohm, 1/16W
RX308	24872242	Chip, 2400 ohm, 1/16W
RX309	24872122	Chip, 1200 ohm, 1/16W
RX310	24872122	Chip, 1200 ohm, 1/16W
RX311	24872122	Chip, 1200 ohm, 1/16W
RX321	24872153	Chip, 15k ohm, 1/16W
RX322	24872103	Chip, 10k ohm, 1/16W
RX323	24872103	Chip, 10k ohm, 1/16W
RX324	24872103	Chip, 10k ohm, 1/16W
RX325	24000824	Chip, Jumper, 2125 type
RX326	24872331	Chip, 330 ohm, 1/16W
RX327	24872471	Chip, 470 ohm, 1/16W
RX328	24872681	Chip, 680 ohm, 1/16W
RX329	24872100	Chip, 10 ohm, 1/16W
RX330	24872102	Chip, 1k ohm, 1/16W
RX331	24872151	Chip, 150 ohm, 1/16W
RX332	24872102	Chip, 1k ohm, 1/16W
RX334	24872681	Chip, 680 ohm, 1/16W
RX335	24872220	Chip, 22 ohm, 1/16W
RX341	24872153	Chip, 15k ohm, 1/16W
RX342	24872103	Chip, 10k ohm, 1/16W
RX343	24872103	Chip, 10k ohm, 1/16W
RX344	24872103	Chip, 10k ohm, 1/16W
RX345	24000824	Chip, Jumper, 2125 type

Location No.	Part No.	Description
RX346	24872331	Chip, 330 ohm, 1/16W
RX347	24872471	Chip, 470 ohm, 1/16W
RX348	24872681	Chip, 680 ohm, 1/16W
RX349	24872100	Chip, 10 ohm, 1/16W
RX350	24872102	Chip, 1k ohm, 1/16W
RX351	24872121	Chip, 120 ohm, 1/16W
RX352	24872681	Chip, 680 ohm, 1/16W
RX354	24872681	Chip, 680 ohm, 1/16W
RX355	24872220	Chip, 22 ohm, 1/16W
RX361	24872153	Chip, 15k ohm, 1/16W
RX362	24872103	Chip, 10k ohm, 1/16W
RX363	24872103	Chip, 10k ohm, 1/16W
RX364	24872103	Chip, 10k ohm, 1/16W
RX365	24000824	Chip, Jumper, 2125 type
RX366	24872331	Chip, 330 ohm, 1/16W
RX367	24872471	Chip, 470 ohm, 1/16W
RX368	24872681	Chip, 680 ohm, 1/16W
RX369	24872100	Chip, 10 ohm, 1/16W
RX370	24872102	Chip, 1k ohm, 1/16W
RX371	24872121	Chip, 120 ohm, 1/16W
RX372	24872681	Chip, 680 ohm, 1/16W
RX374	24872681	Chip, 680 ohm, 1/16W
RX375	24872220	Chip, 22 ohm, 1/16W
RX401	24000824	Chip, Jumper, 2125 type
RX402	24872101	Chip, 100 ohm, 1/16W
RX403	24000824	Chip, Jumper, 2125 type
RX404	24872101	Chip, 100 ohm, 1/16W
RX405	24000824	Chip, Jumper, 2125 type
RX406	24872680	Chip, 68 ohm, 1/16W
RX407	24000824	Chip, Jumper, 2125 type
RX408	24872101	Chip, 100 ohm, 1/16W
RX409	24000824	Chip, Jumper, 2125 type
RX410	24872101	Chip, 100 ohm, 1/16W
RX411	24000824	Chip, Jumper, 2125 type
RX412	24872101	Chip, 100 ohm, 1/16W
RX421	24872221	Chip, 220 ohm, 1/16W
RX422	24872221	Chip, 220 ohm, 1/16W
RX423	24872221	Chip, 220 ohm, 1/16W
RX424	24872221	Chip, 220 ohm, 1/16W
RX425	24872221	Chip, 220 ohm, 1/16W
RX427	24872221	Chip, 220 ohm, 1/16W
RX428	24872221	Chip, 220 ohm, 1/16W
RX429	24872221	Chip, 220 ohm, 1/16W
RX430	24872221	Chip, 220 ohm, 1/16W
RX431	24547688	FR, 0.68 ohm, 1W
RX432	24871181	Chip, 180 ohm, 1/8W
RZ01	24872102	Chip, 1k ohm, 1/16W
RZ02	24872102	Chip, 1k ohm, 1/16W
RZ03	24872332	Chip, 3300 ohm, 1/16W
RZ04	24872102	Chip, 1k ohm, 1/16W
RZ05	24872221	Chip, 220 ohm, 1/16W
RZ06	24872821	Chip, 820 ohm, 1/16W
RZ07	24872101	Chip, 100 ohm, 1/16W
RZ08	24872471	Chip, 470 ohm, 1/16W
RZ09	24872101	Chip, 100 ohm, 1/16W
RZ10	24872222	Chip, 2200 ohm, 1/16W
RZ11	24872101	Chip, 100 ohm, 1/16W
RZ12	24872122	Chip, 1200 ohm, 1/16W
RZ13	24872102	Chip, 1k ohm, 1/16W
RZ14	24872102	Chip, 1k ohm, 1/16W
RZ15	24872102	Chip, 1k ohm, 1/16W
RZ17	24872221	Chip, 220 ohm, 1/16W
RZ18	24872471	Chip, 470 ohm, 1/16W
RZ19	24872102	Chip, 1k ohm, 1/16W

Location No.	Part No.	Description
RZ20	24872101	Chip, 100 ohm, 1/16W
RZ22	24872222	Chip, 2200 ohm, 1/16W
RZ29	24872331	Chip, 330 ohm, 1/16W
RZ30	24872331	Chip, 330 ohm, 1/16W
COILS & TRANSFORMERS		
L101	23221803	Coil, Choke, TLN3040D
L200	23289479	Coil, Peaking, TRF44R7AF
L201	23289100	Coil, Peaking, TRF4100AF
L301	23103859	Coil (Ferrite Bead), TEM2011
L333	23238702	Coil, Peaking, TRF4101AJ
L400	23289101	Coil, Peaking, TRF4101AF
L400	23289101	Coil, Peaking, TRF4101AF
L410	23103859	Coil (Ferrite Bead), TEM2011
L441	23233982	Coil, Linearity, TLN2158AG
L442	23248216	Coil, Choke, TLN3459AH (32WD96G)
L442	23248164	Coil, Choke, TLN3437AD (28WD96G)
L443	23248165	Coil, Choke, TLN3438AD (32WD96G)
L443	23248199	Coil, Choke, TLN3467AD (28WD96G)
L444	23248186	Coil, Choke, TLN3346AD (28WD96G)
L449	23103859	Coil (Ferrite Bead), TEM2011
L461	23248111	Coil, Choke, TLN3349D (32WD96G)
L461	23248183	Coil, Choke, TLN3343AD (28WD96G)
L470	23103859	Coil (Ferrite Bead), TEM2011
L491	23211923	Coil, Choke, AT4043/100
L501	23289100	Coil, Peaking, TRF4100AF
L502	23103852	Coil, Filter, TEM2028AH
L503	23289470	Coil, Peaking, TRF4470AF
L507	23103852	Coil, Filter, TEM2028AH
L508	23103852	Coil, Filter, TEM2028AH
L509	23103852	Coil, Filter, TEM2028AH
L512	23103845	Coil, TEM2030AY
L513	23103845	Coil, TEM2030AY
L601	23238714	Coil, Peaking, TRF4100AJ
L602	23238714	Coil, Peaking, TRF4100AJ
L605	23289109	Coil, Peaking, TRF41R0AF
L676	23103832	Chip (Ferrite Bead), TEM2125M
L677	23103832	Chip (Ferrite Bead), TEM2125M
L682	23103832	Chip (Ferrite Bead), TEM2125M
L683	23103832	Chip (Ferrite Bead), TEM2125M
L684	23289109	Coil, Peaking, TRF41R0AF
L685	23289109	Coil, Peaking, TRF41R0AF
L701	23289100	Coil, Peaking, TRF4100AF
L702	23261974	Coil, Choke, HC5-035
L704	23103859	Coil (Ferrite Bead), TEM2011
L705	23103859	Coil (Ferrite Bead), TEM2011
L811	23103859	Coil (Ferrite Bead), TEM2011
L876	23280016	Coil, Peaking, TRF4100AZ
L883	23221747	Coil, Choke, TRF9253D
L885	23248073	Coil, Choke, TLN3299D
L886	23103859	Coil (Ferrite Bead), TEM2011
L889	23222694	Coil, Width, TLN2026
L891	23103859	Coil (Ferrite Bead), TEM2011

Location No.	Part No.	Description
L892	23103859	Coil (Ferrite Bead), TEM2011
L893	23280016	Coil, Peaking, TRF4100AZ
L894	23289100	Coil, Peaking, TRF4100AF
L896	23103859	Coil (Ferrite Bead), TEM2011
L897	23222694	Coil, Width, TLN2026
⚠L901	23200299	Coil, Degaussing, TSB-2370AR (32WD96G)
⚠L901	23200309	Coil, Degaussing, TSB-2374AR (28WD96G)
L902	23289101	Coil, Peaking, TRF4101AF
L903	23289101	Coil, Peaking, TRF4101AF
L904	23289101	Coil, Peaking, TRF4101AF
L905	23289150	Coil, Peaking, TRF4150AF
L906	23289150	Coil, Peaking, TRF4150AF
L907	23289150	Coil, Peaking, TRF4150AF
L908	23289100	Coil, Peaking, TRF4100AF
L910	23289109	Coil, Peaking, TRF41R0AF
L911	23289101	Coil, Peaking, TRF4101AF (28WD96G)
L4370	23289101	Coil, Peaking, TRF4101AF
LA01	23289100	Coil, Peaking, TRF4100AF
LB01	23262261	Coil, IF, TRF1177D
LC44	23103775	Coil (Ferrite Bead), TEM2014
LF01	23289100	Coil, Peaking, TRF4100AF
LF02	23289109	Coil, Peaking, TRF41R0AF
LF10	23289100	Coil, Peaking, TRF4100AF
LF22	23238562	Coil, Peaking, TRF4109AJ
LF23	23238562	Coil, Peaking, TRF4109AJ
LF24	23238562	Coil, Peaking, TRF4109AJ
LF25	23238506	Coil, Peaking, TRF4229AJ
LF26	23238506	Coil, Peaking, TRF4229AJ
LF27	23238506	Coil, Peaking, TRF4229AJ
LF28	23238506	Coil, Peaking, TRF4229AJ
LF29	23238714	Coil, Peaking, TRF4100AJ
LF30	23238714	Coil, Peaking, TRF4100AJ
LF31	23289100	Coil, Peaking, TRF4100AF
LG05	23103961	Coil (Ferrite Bead), TBF253D-02
LG06	23103961	Coil (Ferrite Bead), TBF253D-02
LG08	23103859	Coil (Ferrite Bead), TEM2011
LG09	23103859	Coil (Ferrite Bead), TEM2011
LG11	23103859	Coil (Ferrite Bead), TEM2011
LG24	70211045	Coil, Choke, 0.02mH
LG25	23289220	Coil, Peaking, TRF4220AF
LK01	23289100	Coil, Peaking, TRF4100AF
LK50	23289100	Coil, Peaking, TRF4100AF
LQ01	23238709	Coil, Peaking, TRF4270AJ
LQ02	23237991	Coil, Peaking, TRF4479AC
LQ03	23289470	Coil, Peaking, TRF4470AF
LQ04	23238718	Coil, Peaking, TRF4479AJ
LR01	23289100	Coil, Peaking, TRF4100AF
LR01	23289109	Coil, Peaking, TRF41R0AF
LR02	23289109	Coil, Peaking, TRF41R0AF
LR23	23103852	Coil, Filter, TEM2028AH
LR24	23103852	Coil, Filter, TEM2028AH
LR25	23103845	Coil, TEM2030AY
LR26	23103845	Coil, TEM2030AY
LR27	23103845	Coil, TEM2030AY
LV03	23103852	Coil, Filter, TEM2028AH
LV06	23103832	Chip (Ferrite Bead), TEM2125M
LV07	23103832	Chip (Ferrite Bead), TEM2125M

Location No.	Part No.	Description
LV08	23289330	Coil, Peaking, TRF4330AF
LV09	23289100	Coil, Peaking, TRF4100AF
LV10	23289220	Coil, Peaking, TRF4220AF
LV11	23289330	Coil, Peaking, TRF4330AF
LV42	23289100	Coil, Peaking, TRF4100AF
LV43	23289100	Coil, Peaking, TRF4100AF
LV49	23103852	Coil, Filter, TEM2028AH
LX101	23103822	Chip (Ferrite Bead), TEM2117T
LX102	23103822	Chip (Ferrite Bead), TEM2117T
LX103	23103822	Chip (Ferrite Bead), TEM2117T
LX104	23245827	Chip, Inductor, TRF45R6CB
LX105	23103822	Chip (Ferrite Bead), TEM2117T
LX106	23103822	Chip (Ferrite Bead), TEM2117T
LX107	23103822	Chip (Ferrite Bead), TEM2117T
LX108	24000824	Chip Jumper, 2125 Type
LX110	23103822	Chip (Ferrite Bead), TEM2117T
LX141	23103822	Chip (Ferrite Bead), TEM2117T
LX142	23103822	Chip (Ferrite Bead), TEM2117T
LX143	23245835	Chip, Inductor, TRF4270CB
LX144	23103822	Chip (Ferrite Bead), TEM2117T
LX145	23103822	Chip (Ferrite Bead), TEM2117T
LX146	23103822	Chip (Ferrite Bead), TEM2117T
LX147	23103822	Chip (Ferrite Bead), TEM2117T
LX148	23245835	Chip, Inductor, TRF4270CB
LX149	23103822	Chip (Ferrite Bead), TEM2117T
LX150	23103822	Chip (Ferrite Bead), TEM2117T
LX152	23103822	Chip (Ferrite Bead), TEM2117T
LX153	23103822	Chip (Ferrite Bead), TEM2117T
LX154	24000824	Chip Jumper, 2125 Type
LX156	23103822	Chip (Ferrite Bead), TEM2117T
LX157	23103822	Chip (Ferrite Bead), TEM2117T
LX158	24000824	Chip Jumper, 2125 Type
LX201	23103886	Chip (Ferrite Bead), TEM2129AM
LX202	24000824	Chip Jumper, 2125 Type
LX221	23103822	Chip (Ferrite Bead), TEM2117T
LX222	23103822	Chip (Ferrite Bead), TEM2117T
LX223	23103822	Chip (Ferrite Bead), TEM2117T
LX224	23103822	Chip (Ferrite Bead), TEM2117T
LX226	23103822	Chip (Ferrite Bead), TEM2117T
LX227	23103822	Chip (Ferrite Bead), TEM2117T
LX231	23103822	Chip (Ferrite Bead), TEM2117T
LX232	23103822	Chip (Ferrite Bead), TEM2117T
LX233	23103822	Chip (Ferrite Bead), TEM2117T
LX235	23103822	Chip (Ferrite Bead), TEM2117T
LX236	23103822	Chip (Ferrite Bead), TEM2117T
LX237	23103822	Chip (Ferrite Bead), TEM2117T
LX241	23103822	Chip (Ferrite Bead), TEM2117T
LX242	24000824	Chip Jumper, 2125 Type
LX261	23103822	Chip (Ferrite Bead), TEM2117T
LX262	24000824	Chip Jumper, 2125 Type
LX271	23103822	Chip (Ferrite Bead), TEM2117T
LX272	24000824	Chip Jumper, 2125 Type
LX301	23103822	Chip (Ferrite Bead), TEM2117T
LX302	23103822	Chip (Ferrite Bead), TEM2117T
LX303	23103822	Chip (Ferrite Bead), TEM2117T
LX304	23103822	Chip (Ferrite Bead), TEM2117T
LX305	24000824	Chip Jumper, 2125 Type
LX321	23103822	Chip (Ferrite Bead), TEM2117T
LX322	23245825	Chip, Inductor, TRF43R9CB
LX323	24000824	Chip Jumper, 2125 Type
LX341	23103822	Chip (Ferrite Bead), TEM2117T
LX342	23245826	Chip, Inductor, TRF44R7CB
LX343	24000824	Chip Jumper, 2125 Type

Location No.	Part No.	Description
LX361	23103822	Chip (Ferrite Bead), TEM2117T
LX362	23245826	Chip, Inductor, TRF44R7CB
LX363	24000824	Chip Jumper, 2125 Type
LX401	23103880	Coil (Ferrite Bead), TEM2011Y
LX402	23103822	Chip (Ferrite Bead), TEM2117T
LX403	23103822	Chip (Ferrite Bead), TEM2117T
LX404	23103822	Chip (Ferrite Bead), TEM2117T
LX405	23103822	Chip (Ferrite Bead), TEM2117T
LX407	23103822	Chip (Ferrite Bead), TEM2117T
LX421	23238562	Coil, Peaking, TRF4109AJ
LX422	23238562	Coil, Peaking, TRF4109AJ
LX423	23238562	Coil, Peaking, TRF4109AJ
LX424	23238562	Coil, Peaking, TRF4109AJ
LX425	23238562	Coil, Peaking, TRF4109AJ
LX427	23238562	Coil, Peaking, TRF4109AJ
LX428	23238562	Coil, Peaking, TRF4109AJ
LX429	23238562	Coil, Peaking, TRF4109AJ
LX430	23238562	Coil, Peaking, TRF4109AJ
LX431	23103880	Coil (Ferrite Bead), TEM2011Y
LX432	23103880	Coil (Ferrite Bead), TEM2011Y
LX434	23103880	Coil (Ferrite Bead), TEM2011Y
LZ01	23238710	Coil, Peaking, TRF4220AJ
LZ02	23238714	Coil, Peaking, TRF4100AJ
LZ03	23238714	Coil, Peaking, TRF4100AJ
LZ04	23238708	Coil, Peaking, TRF4330AJ
LZ05	23238709	Coil, Peaking, TRF4270AJ
LZ08	23238707	Coil, Peaking, TRF4390AJ
LZ09	70131060	Baze Filter, ZBF253D-00
LZ10	70131060	Baze Filter, ZBF253D-00
T400	23224364	Transformer, Focus, TLN2168AH(32WD96G)
T401	23224371	Transformer, Horiz, Drive, TLN1080AH
⚠T461	23236517	Transformer, Flyback, TFB3079AR (32WD96G)
⚠T461	23236537	Transformer, Flyback, TFB4142AR (28WD96G)
⚠T461A	23236447	ANODE4115B
T801	23211717	Line Filter, TRF3164AM
T802	23211717	Line Filter, TRF3164AM
T803	23211719	Line Filter, TRF3209AM (32WD96G)
T803	23211891	Line Filter, TRF3164 (28WD96G)
⚠T863	23217434	Transformer, Converter, TPW3427AG
TG01	23217422	Transformer, Converter, TPW3418AM

SEMICONDUCTORS

Q200	A6330059	Transistor, 2SC2482(C)
Q201	A6335470	Transistor, 2SC2712-Y
Q202	A6541130	Transistor, 2SA1162-Y
Q203	A6541130	Transistor, 2SA1162-Y
Q204	A6541130	Transistor, 2SA1162-Y
Q205	A6541130	Transistor, 2SA1162-Y
Q206	A6335470	Transistor, 2SC2712-Y
Q237	A6335470	Transistor, 2SC2712-Y
Q261	A6335470	Transistor, 2SC2712-Y
Q262	A6541130	Transistor, 2SA1162-Y
Q270	A6004040	Transistor, RN1404
Q271	A6004040	Transistor, RN1404
Q272	A6014040	Transistor, RN2404
Q273	A6335470	Transistor, 2SC2712-Y

Location No.	Part No.	Description
Q301	23905610	IC, LA7846N
Q301B	70391355	Screw, BITTB3X8 SZN
Q303	A6534040	Transistor, 2SA1015-Y
Q304	A6317440	Transistor, 2SC1815-Y
Q305	23906077	IC, TCA0372 DP1
Q360	A6335470	Transistor, 2SC2712-Y
Q362	A6002050	Transistor, RN1205
Q370	A6534040	Transistor, 2SA1015-Y
Q402	A6325419	Transistor, 2SC2235-O(FA200)
Q404	A6374144	Transistor, 2CS5570
Q404B	A8012650	Spacer, AC263
Q404D	72471082	Screw, BRDT2W3X10 SZN
Q418	23314141	Transistor, 2SC3852
Q418B	70391355	Screw, BITTB3X8 SZN
Q420	23314141	Transistor, 2SC3852
Q420B	70391355	Screw, BITTB3X8 SZN
Q421	A6317440	Transistor, 2SC1815-Y
Q430	23314141	Transistor, 2SC3852
Q430B	70391355	Screw, BITTB3X8 SZN
Q460	23314850	Transistor, 2SA1788, E
Q460B	72471082	Screw, BRDT2W3X10 SZN
Q461	A6317440	Transistor, 2SC1815-Y
Q462	A6317440	Transistor, 2SC1815-Y
Q470	A6317440	Transistor, 2SC1815-Y
Q501	B0386208	IC, TA1276AN
Q502	A6335470	Transistor, 2SC2712-Y
Q503	A6541130	Transistor, 2SA1162-Y
Q518	A6335470	Transistor, 2SC2712-Y
Q608	A6534040	Transistor, 2SA1015-Y
Q612	A6534040	Transistor, 2SA1015-Y
Q670	B0377308	IC, TA8256BH
Q670B	70391355	Screw, BITTB3X8 SZN
Q671	A6342200	Transistor, 2CS2878-A
Q672	A6342200	Transistor, 2CS2878-A
Q673	A6342200	Transistor, 2CS2878-A
Q688	A6002040	Transistor, RN1204
Q705	A6317440	Transistor, 2SC1815-Y
Q706	A6317440	Transistor, 2SC1815-Y
Q707	A6734590	Transistor, 2SC752(G)TM-Y
Q709	A6317440	Transistor, 2SC1815-Y
Q710	A6534040	Transistor, 2SA1015-Y
Q711	23314911	Transistor, 2SB1569A E
Q711B	70391355	Screw, BITTB3X8 SZN
Q712	23314914	Transistor, 2SD2400A E
Q712B	70391355	Screw, BITTB3X8 SZN
Q719	A6317440	Transistor, 2SC1815-Y
Q801	23135008	IC, STR-F6668B
Q801B	72471082	Screw, BRDT2W3X10 SZN
Q802	23314141	Transistor, 2SC3852
Q802B	70391355	Screw, BITTB3X8 SZN
Q807	A6317440	Transistor, 2SC1815-Y
⚠Q826	A8643108	Photo Coupler, TLP621(GR-LF
Q830	23314141	Transistor, 2SC3852
Q830B	70391355	Screw, BITTB3X8 SZN
Q833	23314141	Transistor, 2SC3852
Q833B	70391355	Screw, BITTB3X8 SZN
Q840	23318299	IC, L78MR05
Q840B	70391355	Screw, BITTB3X8 SZN
Q901	A6368700	Transistor, 2CS4544
Q901B	70391355	Screw, BITTB3X8 SZN
Q902	A6317440	Transistor, 2SC1815-Y
Q903	A6368700	Transistor, 2CS4544
Q903B	70391355	Screw, BITTB3X8 SZN
Q904	A6317440	Transistor, 2SC1815-Y

Location No.	Part No.	Description
Q905	A6368700	Transistor, 2CS4544
Q905B	70391355	Screw, BITTB3X8 SZN
Q906	A6317440	Transistor, 2SC1815-Y
Q907	A6509140	Transistor, 2SA562TM-Y
Q908	A6321240	Transistor, 2SC2120-Y
Q910	A6317440	Transistor, 2SC1815-Y
Q911	A6317440	Transistor, 2SC1815-Y
Q912	A6534040	Transistor, 2SA1015-Y
Q913	A6534040	Transistor, 2SA1015-Y
Q914	A6317440	Transistor, 2SC1815-Y
Q917	A6317440	Transistor, 2SC1815-Y
Q918	A6534040	Transistor, 2SA1015-Y
Q919	A6317440	Transistor, 2SC1815-Y
Q920	A6534040	Transistor, 2SA1015-Y
Q921	A6317440	Transistor, 2SC1815-Y
Q922	A6317440	Transistor, 2SC1815-Y
Q4370	B0385853	IC, TA1241AN
Q4420	B0386500	IC, TA1300N
Q4460	A6335470	Transistor, 2SC2712-Y
Q4462	A6335470	Transistor, 2SC2712-Y
Q4490	A8641063	Photo Coupler, TLP521-1
Q4491	23314917	Transistor, 2SK2003-01MR
Q4493	A6317440	Transistor, 2SC1815-Y
QA01	23000135	IC, 750010-106S
QA02	23905666	IC, AT24C1610PC
QA03	A6534040	Transistor, 2SA1015-Y
QA05	A6734590	Transistor, 2SC752(G)TM-Y
QA80	A6002020	Transistor, RN1202
QA81	A6002020	Transistor, RN1202
QA82	23904943	IC, MM1111XS
QA83	A6002040	Transistor, RN1204
QB01	A6317440	Transistor, 2SC1815-Y
QB03	A6002050	Transistor, RN1205
QB30	A6317440	Transistor, 2SC1815-Y
QB81	A6342200	Transistor, 2CS2878-A
QB82	A6342200	Transistor, 2CS2878-A
QB83	A6534040	Transistor, 2SA1015-Y
QB92	A6317440	Transistor, 2SC1815-Y
QB93	A6534040	Transistor, 2SA1015-Y
QB94	A6534040	Transistor, 2SA1015-Y
QB95	A6534040	Transistor, 2SA1015-Y
QB96	A6534040	Transistor, 2SA1015-Y
QF01	23906551	IC, SDA5275-3P
QF02	23906927	IC, SAB-C161RI
QF03	23906550	IC, AM29F040B-1
QF04	23906926	IC, AM29F040B-70
QF05	23000039	IC, AT24C08N10SC
QF10	23000056	IC, HY5117404BJ
QF11	23906367	IC, PST9146NL
QF32	A6361770	Transistor, 2SC3437-Y
QF33	A6335470	Transistor, 2SC2712-Y
QF34	A6335470	Transistor, 2SC2712-Y
QF35	A6335470	Transistor, 2SC2712-Y
QG01	23906695	IC, MIP0224SY
QG01B	70391355	Screw, BITTB3X8 SZN
QG02	23904639	IC, PC120FY2
QG05	A8643108	Photo Coupler, TLP621(GR-LF
QG06	A6332430	Transistor, 2SC2458-Y
QG21	23318113	IC, TL431CLPB
QG36	A6533730	Transistor, 2SA1012-Y
QG38	A6002010	Transistor, RN1201
QK05	23906179	IC, MM1327XD
QK06	A6335470	Transistor, 2SC2712-Y
QK07	70119743	IC, PST523D

Location No.	Part No.	Description
QK10	A6335470	Transistor, 2SC2712-Y
QK11	A6541130	Transistor, 2SA1162-Y
QK12	A6361770	Transistor, 2SC3437-Y
QK30	A6335470	Transistor, 2SC2712-Y
QK31	A6335470	Transistor, 2SC2712-Y
QK32	A6335470	Transistor, 2SC2712-Y
QQ01	B0385755	IC, TA1229N
QQ02	B0383881	IC, TA8772AN
QQ03	A6335470	Transistor, 2SC2712-Y
QQ04	A6335470	Transistor, 2SC2712-Y
QR01	23000123	IC, MB90096-192
QR01	B0386235	IC, TA1287P
QR03	23114530	Transistor, 2SA933S-Q
QR05	A6317440	Transistor, 2SC1815-Y
QR21	A6335470	Transistor, 2SC2712-Y
QR24	A6335470	Transistor, 2SC2712-Y
QS01	A6359870	Transistor, 2SC3326-B
QS02	A6359870	Transistor, 2SC3326-B
QS03	A6335470	Transistor, 2SC2712-Y
QS04	A6335470	Transistor, 2SC2712-Y
QS05	A6359870	Transistor, 2SC3326-B
QS06	A6359870	Transistor, 2SC3326-B
QS07	A6014040	Transistor, RN2404
QS08	A6359870	Transistor, 2SC3326-B
QS09	A6359870	Transistor, 2SC3326-B
QV01	B0385650	IC, TA1218N
QV02	A6317440	Transistor, 2SC1815-Y
QV06	A6541130	Transistor, 2SA1162-Y
QV07	A6359870	Transistor, 2SC3326-B
QV08	A6335470	Transistor, 2SC2712-Y
QV09	A6317440	Transistor, 2SC1815-Y
QV10	A6335470	Transistor, 2SC2712-Y
QV11	A6335470	Transistor, 2SC2712-Y
QV12	A6317440	Transistor, 2SC1815-Y
QV14	A6317440	Transistor, 2SC1815-Y
QV15	A6359870	Transistor, 2SC3326-B
QX01	23906921	IC, TC90A61F
QX02	23906657	IC, MB81G163222
QX03	23905013	IC, TLC29321PW
QX04	A6030620	IC, TC7S04F
QX05	23906951	IC, SN74AHCT1G32
QX07	23905939	IC, TLC2933IPW
QX08	A6030620	IC, TC7S04F
QX09	23906951	IC, SN74AHCT1G32
QX10	23906951	IC, SN74AHCT1G32
QX11	23906318	IC, ADS932E
QX12	23906318	IC, ADS932E
QX13	B0489209	IC, TC74ACT74F
QX14	A6335470	Transistor, 2SC2712-Y
QX15	70128490	IC, MM1031XMR
QX16	23314345	Transistor, IMZ1 T108
QX17	A6335470	Transistor, 2SC2712-Y
QX18	A6541130	Transistor, 2SA1162-Y
QX19	A6541130	Transistor, 2SA1162-Y
QX20	A6030670	IC, TC7S66F
QX21	A6335470	Transistor, 2SC2712-Y
QX22	23314347	Transistor, IMX2 T108
QX23	A6335470	Transistor, 2SC2712-Y
QX24	23314344	Transistor, IMX1 T110
QX25	A6030670	IC, TC7S66F
QX26	A6541130	Transistor, 2SA1162-Y
QX27	A6030670	IC, TC7S66F
QX28	A6335470	Transistor, 2SC2712-Y
QX29	23314347	Transistor, IMX2 T108

Location No.	Part No.	Description
QX30	A6335470	Transistor, 2SC2712-Y
QX31	23314344	Transistor, IMX1 T110
QX32	A6030670	IC, TC7S66F
QX33	A6541130	Transistor, 2SA1162-Y
QX34	A6030670	IC, TC7S66F
QX35	A6335470	Transistor, 2SC2712-Y
QX36	A6541130	Transistor, 2SA1162-Y
QX37	A6335470	Transistor, 2SC2712-Y
QX38	A6335470	Transistor, 2SC2712-Y
QX39	A6335470	Transistor, 2SC2712-Y
QX40	23314347	Transistor, IMX2 T108
QX41	A6335470	Transistor, 2SC2712-Y
QX42	A6335470	Transistor, 2SC2712-Y
QX43	23314347	Transistor, IMX2 T108
QX44	A6335470	Transistor, 2SC2712-Y
QX45	A6335470	Transistor, 2SC2712-Y
QX46	23314347	Transistor, IMX2 T108
QX47	A6335470	Transistor, 2SC2712-Y
QX48	A6335470	Transistor, 2SC2712-Y
QX49	A6030871	IC, TC7W04F(BRA)
QX50	B0485484	IC, TC74HCT541AF
QX51	23906770	IC, BA033FP-E2
QX52	A6030695	IC, TC7SH32FU(BR
QX53	A6030695	IC, TC7SH32FU(BR
QX54	A6004010	Transistor, RN1401
QX55	B0370000	IC, TC78L05F
QZ01	B0410895	IC, TC90A49P
QZ02	A6335470	Transistor, 2SC2712-Y
QZ03	A6541130	Transistor, 2SA1162-Y
QZ04	A6541130	Transistor, 2SA1162-Y
QZ05	A6541130	Transistor, 2SA1162-Y
QZ06	A6541130	Transistor, 2SA1162-Y
QZ07	A6541130	Transistor, 2SA1162-Y
QZ08	A6335470	Transistor, 2SC2712-Y
D101	23316411	Diode, Zener, HZT33-12
D201	23118041	Diode, MA111-(TX)
D240	23115599	Diode, 1N4148
D301	23118479	Diode, BYD33J
D302	23118479	Diode, BYD33J
D303	23316794	Diode, SC570ALFE2
D312	23115599	Diode, 1N4148
D313	23115599	Diode, 1N4148
D370	23316658	Diode, Zener, MTZJ3.6A
D371	23115599	Diode, 1N4148
D404	23357043	Diode, FMQ-G5GS
D404B	72471082	Screw, BRDT2W3X10 SZN
D406	23118479	Diode, BYD33J
D418	23316749	Diode, Zener, MTZJ30A
D419	23316691	Diode, Zener, MTZJ10C
D420	23316715	Diode, Zener, MTZJ11A
D421	23316680	Diode, Zener, MTZJ7.5A
D422	23316726	Diode, Zener, MTZJ15C
D431	23316670	Diode, Zener, MTZJ5.1C
D432	23316670	Diode, Zener, MTZJ5.1C
D436	23115599	Diode, 1N4148
D441	23316687	Diode, Zener, MTZJ9.1B
D444	23118479	Diode, BYD33J (28WD96G)
D460	23118479	Diode, BYD33J
D461	23316803	Diode, FMU-G16S
D461B	70391355	Screw, BITTB3X8 SZN
D463	23115599	Diode, 1N4148
D464	23316725	Diode, Zener, MTZJ15B (28WD96G)

Location No.	Part No.	Description
D464	23316749	Diode, Zener, MTZJ30A (32WD96G)
D466	23316672	Diode, Zener, MTZJ5.6B (32WD96G)
D466	23316718	Diode, Zener, MTZJ12A (28WD96G)
D467	23118479	Diode, BYD33J
D474	23316719	Diode, Zener, MTZJ12B
D488	23115599	Diode, 1N4148
D490	23115599	Diode, 1N4148
D498	23316742	Diode, Zener, MTZJ24B
D499	23115599	Diode, 1N4148
D501	23115599	Diode, 1N4148
D505	23115599	Diode, 1N4148
D611	23115599	Diode, 1N4148
D612	23115599	Diode, 1N4148
D613	23115599	Diode, 1N4148
D614	23115599	Diode, 1N4148
D627	23115599	Diode, 1N4148
D628	23115599	Diode, 1N4148
D670	23115599	Diode, 1N4148
D671	23115599	Diode, 1N4148
D674	23115599	Diode, 1N4148
D675	23115599	Diode, 1N4148
D684	23115599	Diode, 1N4148
D704	23115599	Diode, 1N4148
D705	23115599	Diode, 1N4148
D715	23115599	Diode, 1N4148
D721	23115599	Diode, 1N4148
D801	23357041	Diode, LN6SB60-F05
D804	23316725	Diode, Zener, MTZJ15B
D805	23316553	Diode, 1SS145
D806	23118479	Diode, BYD33J
D810	23316738	Diode, Zener, MTZJ22B
D811	23115599	Diode, 1N4148
D815	23316746	Diode, Zener, MTZJ27B
D817	23115599	Diode, 1N4148
D818	23316738	Diode, Zener, MTZJ22B
D819	23316678	Diode, Zener, MTZJ6.8B
D828	23115599	Diode, 1N4148
D836	23316673	Diode, Zener, MTZJ5.6C
D841	23115599	Diode, 1N4148
D871	23118479	Diode, BYD33J
D883	23316406	Diode, FML-G16S
D883B	70391355	Screw, BITTB3X8 SZN
D885	23118052	Diode, RU4Z LF-L1
D891	23357020	Diode, SF5S4
D891B	70391355	Screw, BITTB3X8 SZN
D892	23118052	Diode, RU4Z LF-L1
D894	23316673	Diode, Zener, MTZJ5.6C
D896	23118479	Diode, BYD33J
D901	23115599	Diode, 1N4148
D904	23115599	Diode, 1N4148
D905	23115599	Diode, 1N4148
D906	23115599	Diode, 1N4148
D907	23115599	Diode, 1N4148
D908	23115599	Diode, 1N4148
D909	23115599	Diode, 1N4148
D911	23118479	Diode, BYD33J
D912	23115599	Diode, 1N4148 (32WD96G)
D4371	23115599	Diode, 1N4148
D4386	23316718	Diode, Zener, MTZJ12A
D4387	23316718	Diode, Zener, MTZJ12A
D4388	23316718	Diode, Zener, MTZJ12A

Location No.	Part No.	Description
DA01	23115599	Diode, 1N4148
DA02	23115599	Diode, 1N4148
DA03	23115599	Diode, 1N4148
DA42	23115599	Diode, 1N4148
DB01	23358505	Diode (LED), SLR56VC196F
DB02	23358503	Diode (LED), SCL003MC3FX
DB30	23115599	Diode, 1N4148
DF01	23316654	Diode, Zener, MTZJ3.0A
DG02	23316711	Diode, S1WBA60, 4101
DG03	23118057	Diode, AG01A
DG05	23316381	Diode, RU1P LF-A5
DG21	23118479	Diode, BYD33J
DG24	23118479	Diode, BYD33J
DG25	23118052	Diode, RU4Z LF-L1
DG27	23316672	Diode, Zener, MTZJ5.6B
DR01	23115599	Diode, 1N4148
DR02	23115599	Diode, 1N4148
DR02	23316557	Diode, HSM221C, TL
DR03	23115599	Diode, 1N4148
DR03	23118351	Diode, Zener, RD4.7M-T1BB2
DV01	23115599	Diode, 1N4148
DV01	23118296	Diode, Zener, RD9.1M-T1BB2
DV02	23118296	Diode, Zener, RD9.1M-T1BB2
DV03	23118296	Diode, Zener, RD9.1M-T1BB2
DV04	23118296	Diode, Zener, RD9.1M-T1BB2
DV05	23118296	Diode, Zener, RD9.1M-T1BB2
DV06	23118296	Diode, Zener, RD9.1M-T1BB2
DV07	23118296	Diode, Zener, RD9.1M-T1BB2
DV10	23316557	Diode, HSM221C, TL
DV11	23316557	Diode, HSM221C, TL
DV12	23118296	Diode, Zener, RD9.1M-T1BB2
DV14	23118296	Diode, Zener, RD9.1M-T1BB2
DX201	A7238420	Diode, Zener, 02CZ5.1-Y
DX202	A7238420	Diode, Zener, 02CZ5.1-Y
DX203	A7238420	Diode, Zener, 02CZ5.1-Y
DX401	A7238420	Diode, Zener, 02CZ5.1-Y

MISCELLANEOUS

B207	23037312	Screw, BTBW 3X12 SZN
B221	23037312	Screw, BTBW 3X12 SZN
B224	23037312	Screw, BTBW 3X12 SZN
B228	23037312	Screw, BTBW 3X12 SZN
BB10	23368627	Plug, 8P
BB10A	23903022	Socket, 8P
BB10B	23903022	Socket, 8P
BB11	23368627	Plug, 8P
BB11A	23903022	Socket, 8P
BB11B	23903022	Socket, 8P
BB12	23368627	Plug, 8P
BB12A	23903022	Socket, 8P
BB12B	23903022	Socket, 8P
BB13	23368627	Plug, 8P
BB13A	23903022	Socket, 8P
BB13B	23903022	Socket, 8P
BB14	23368627	Plug, 8P
BB14A	23903022	Socket, 8P
BB14B	23903022	Socket, 8P
BB15	23368627	Plug, 8P
BB15A	23903022	Socket, 8P
BB15B	23903022	Socket, 8P
BB16	23368627	Plug, 8P
BB16A	23903022	Socket, 8P
BB16B	23903022	Socket, 8P
⚠F470	23144503	Fuse, 1.25A, 250V

Location No.	Part No.	Description
F470A	23165433	Holder, Fuse
⚠F801	23144508	Fuse, 4.0A, 250V
F801A	23165433	Holder, Fuse
⚠F802	23144506	Fuse, 2.5A, 250V
F802A	23165433	Holder, Fuse
⚠F889	23144458	Fuse, 5.0A, 250V
F889A	23165433	Holder, Fuse
FG01	23144831	Fuse, 1.6A, 250V
FG01A	23165433	Holder, Fuse
G299	24366103	CF, 10k ohm
G301	24366472	CF, 4700 ohm
G306	24366222	CF, 2200 ohm
G312	24366272	CF, 2700 ohm
G401	23103859	Coil (Ferrite Bead), TEM2011
G402	23103859	Coil (Ferrite Bead), TEM2011
G403	23103859	Coil (Ferrite Bead), TEM2011
G404	23103859	Coil (Ferrite Bead), TEM2011
G405	24366101	CF, 100 ohm(32WD96G)
G430	23115532	Diode, ERB12-01E
G465	23316672	Diode, Zener, MTZJ5.6B
G510	23289479	Coil, Peaking, TRF44R7AF
G527	24567104	PF, 0.1μF
G528	24567104	PF, 0.1μF
G529	24567104	PF, 0.1μF
G824	23222694	Coil, Choke, TLN2026
G874	24552820	OMF, 82 ohm, 1/2W
G911	23289101	Coil, Peaking, TRF4101AF (32WD96G)
GA82	24085981	EL, 10μF, ±20%, 16V, Non-Polar
GJ03	24000824	Chip Jumper, 2125Type
GJ04	24000824	Chip Jumper, 2125Type
GJ06	24000824	Chip Jumper, 2125Type
GJ07	24000824	Chip Jumper, 2125Type
GJ08	24000824	Chip Jumper, 2125Type
GJ09	24000824	Chip Jumper, 2125Type
GJ10	24000824	Chip Jumper, 2125Type
GJ26	24000824	Chip Jumper, 2125Type
GJ27	24000824	Chip Jumper, 2125Type
GJ28	24000824	Chip Jumper, 2125Type
GJ34	24000824	Chip Jumper, 2125Type
GJ35	24000824	Chip Jumper, 2125Type
GJ36	24000824	Chip Jumper, 2125Type
GJ37	24000824	Chip Jumper, 2125Type
GJ38	24000824	Chip Jumper, 2125Type
GJ61	24000824	Chip Jumper, 2125Type
GJ62	24000824	Chip Jumper, 2125Type
GS01	24000824	Chip Jumper, 2125Type
GS43	24000824	Chip Jumper, 2125Type
GS44	24000824	Chip Jumper, 2125Type
GV05	23103832	Chip (Ferrite Bead), TEM2125M
GV07	24000824	Chip Jumper, 2125Type
GV08	24000824	Chip Jumper, 2125Type
GV11	24000824	Chip Jumper, 2125Type
GV13	24872681	Chip, 680 ohm, 1/16W
GV14	24000824	Chip Jumper, 2125Type
GV15	24000824	Chip Jumper, 2125Type
GV17	24000824	Chip Jumper, 2125Type
GV38	24000824	Chip Jumper, 2125Type
GV39	24000824	Chip Jumper, 2125Type
GV40	24000824	Chip Jumper, 2125Type
GV41	24872102	Chip, 1k ohm, 1/16W
GV97	24872101	Chip, 100 ohm, 1/16W

Location No.	Part No.	Description
H002	23148351	Module, MPSN11, NICAM/IGR A-PRO
KB01	23904946	Remote Sensor, RPM-676CBR-S
P402A	23902781	Socket, B-B, 12P
P402B	23368531	Plug, B-B, 12P
P501A	23903025	Socket, 25P
P502A	23903025	Socket, 25P
P507	23902655	Socket, B-B, 15P
P512	23902863	Socket, 20P
P513	23902863	Socket, 20P
P661	23363607	Jack, Headphone
⚠P801	23372014	Power Cord
PF01A	23367724	Plug, B-B,15P
PH01	23902604	Socket, 21P
PH02	23902604	Socket, 21P
PH03	23902604	Socket, 21P
PK01B	23368130	Plug, B-B,10P
PK02B	23368130	Plug, B-B,10P
PU01	23368634	Plug, 25P
PU02	23368634	Plug, 25P
PV10B	23368520	Plug, B-B, 20P
PV11B	23368520	Plug, B-B, 20P
PW01A	23902213	Socket, B-B, 10P
PW02A	23902213	Socket, B-B, 10P
PX01	23367724	Plug, B-B,15P
PX01A	23902655	Socket, B-B, 15P
PX02	23368531	Plug, B-B, 12P
PX02A	23902781	Socket, B-B, 12P
⚠S801	23344416	Switch, Power
SA01	23145430	Switch, Push, 1C1P
SA02	23145430	Switch, Push, 1C1P
SA03	23145430	Switch, Push, 1C1P
SA04	23145430	Switch, Push, 1C1P
SA06	23145430	Switch, Push, 1C1P
SR82	23146564	Relay, Power, DC12V
⚠V901A	23902824	Socket, CRT, 10P(28WD96G)
⚠V901A	23903027	Socket, CRT, 8P (32WD96G)
W661	23351143	Speaker, SPK-1400, 60X120, 8 ohm
W662	23351143	Speaker, SPK-1400, 60X120, 8 ohm
W665	23351080	Speaker, SPK-1352, 100x100mm, 6 ohm
X401	23153721	Ceramic Resonator, 503kHz, TCR1023
X4401	23153721	Ceramic Resonator, 503kHz, TCR1023
X501	23153961	Crystal, 3.58MHz
X503	23153979	Crystal, 4.43MHz
XA01	23153497	Crystal, 16.0 MHz
XF01	23153421	Crystal, 20.48MHz
XF02	23153394	Crystal, 16.000000MHz
XQ01	23153969	Crystal, 4.00MHz
Z410	23110840	Coil, Forcus, TPA6029 (32WD96G)
Z410B	23035308	Screw, BTB 3X8SZN (32WD96G)
Z420	23144539	Protector, PRF20005491, 125V, 2A
⚠Z801	23904998	IC, HIC1016
Z871	23144543	Protector, PRF50005491, 125V, 5A

Location No.	Part No.	Description
⚠Z890	23144543	Protector, PRF50005491, 125V, 5A
⚠Z891	23144543	Protector, PRF50005491, 125V, 5A
Z894	23144539	Protector, PRF20005491, 125V, 2A
Z896	23144539	Protector, PRF20005491, 125V, 2A
Z898	23144539	Protector, PRF20005491, 125V, 2A
ZG21	23144538	Protector, PRF16005491, 125V, 1.6A
ZG23	23144543	Protector, PRF50005491, 125V, 5A
ZG70	23144542	Protector, PRF40005491, 125V, 4A
ZK01	23262661	Coil, IF, TRF1155D
ZK02	23153325	Ceramic Resonator, 8.00MHz, TCR1056
ZX101	23103852	Filter, TEM2028AH
ZX141	23103852	Filter, TEM2028AH
ZX161	23103852	Filter, TEM2028AH
ZX201	23103823	Filter, TEM2027D
ZX202	23103823	Filter, TEM2027D
ZX321	23103823	Filter, TEM2027D
ZX341	23103823	Filter, TEM2027D
ZX361	23103823	Filter, TEM2027D
ZX401	23303181	Filter, TEM1012N
ZX402	23303181	Filter, TEM1012N
PC BOARD ASSEMBLIES		
* U102	23783408	BACK-T(CH) Board, PB8836C
* U103	23783417	VCD(CH)100HZ Board, PB8768E
* U104A	23783240	EPG-TEXT(CH) Board, PB8825A
* U105	23783241	DIGITAL-SCAN(CH) Board, PB8826A
* U106	23783242	AUTOLIVE(CH) Board, PB8827A
* U901	23783290	CRT Drive Board, PB8813B (32WD96G)
* U901	23783535	CRT Drive Board, PB8828C (28WD96G)
* U902A	23783409	Signal Board, PB8829D-1 (32WD96G)
* U902A	23783536	Signal Board, PB8829G-1 (28WD96G)
* U903	23783410	Power Board, PB8830D
* U904	23783275	DEF Board, PB8831B (32WD96G)
* U904	23783537	DEF Board, PB8831C (28WD96G)
* U905	23783248	100HZ Board, PB8832A
* U906A	23783432	CONT-1 Board, PB8835C-1
* U906B	23783433	CONT-2 Board, PB8835C-2
* U908	23783301	Focus Board, PB8856A (32WD96G)
PICTURE TUBE		
⚠V901	23312708	Picture Tube, W76ESF031X44 (32WD96G)
⚠V901	23312727	Picture Tube, W66ESF002X44 (28WD96G)

Location No.	Part No.	Description
TUNER		
H001	23321344	Tuner, EGA22LWX1
ACCESSORIES		
K902	23306326	Remote Hand Unit, CT-90005
AT03	23588265	Battery Cover
Y101	23563662	Owner'S Manual, English, 32WD96G/28WD96G
Y102	23563663	Owner'S Manual, French, 32WD96G/28WD96G
Y103	23563664	Owner'S Manual, German, 32WD96G/28WD96G
Y104	23563665	Owner'S Manual, Itarian, 32WD96G/28WD96G
Y105	23563666	Owner'S Manual, Spanish, 32WD96G/28WD96G
CABINET PARTS		
A201S	23549494	Front Cover (32WD96G)
A201S	23549549	Front Cover (28WD96G)
A214	23035412	Screw, BTB4X12SZN
A215	23035412	Screw, BTB4X12SZN
A231	23445268	Button, Power
A241	70368125	Push Catch for Door
A242	23427666	Door (Right)
A243	23427753	Door (Left)
⚠A401	23549286	Back Cover(32WD96G)
⚠A401	23549340	Back Cover(28WD96G)
A403	23796410	Woofer Box
A411	23550611	Label, Model No.
A501	23030187	Screw, CRT5X30BLUNT
A701	23525554	Case(32WD96G)
A701	23525947	Case(28WD96G)
A702	23935893	Packing, Bottom (32WD96G)
A702	23935915	Packing, Bottom (28WD96G)
A703	23935894	Packing, Top (32WD96G)
A703	23935916	Packing, Top (28WD96G)

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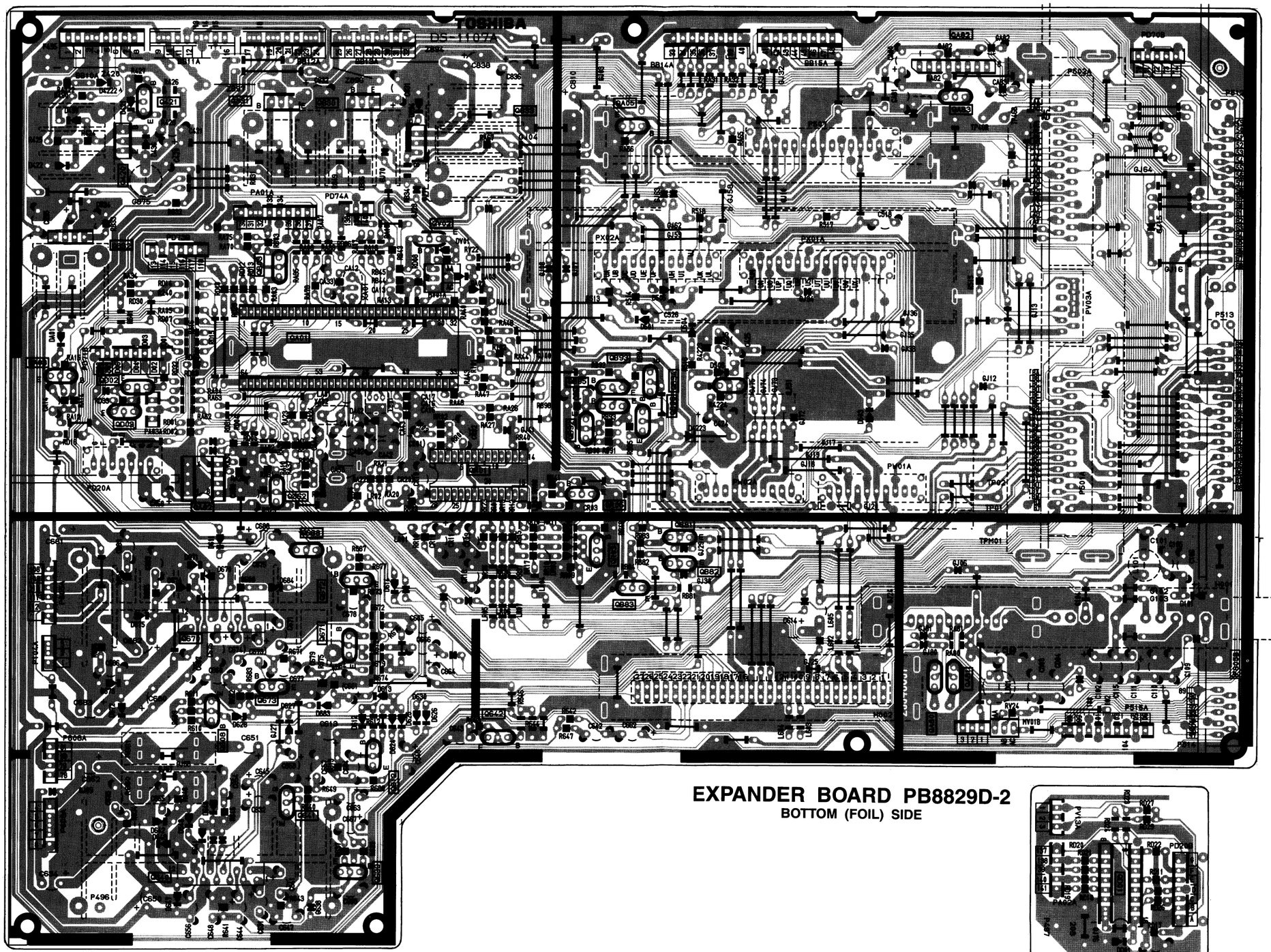
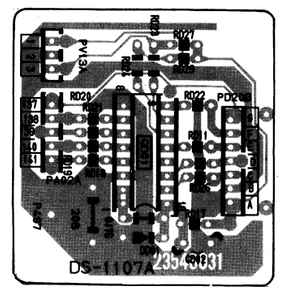
SIGNAL BOARD PB8829D-1

BOTTOM (FOIL) SIDE



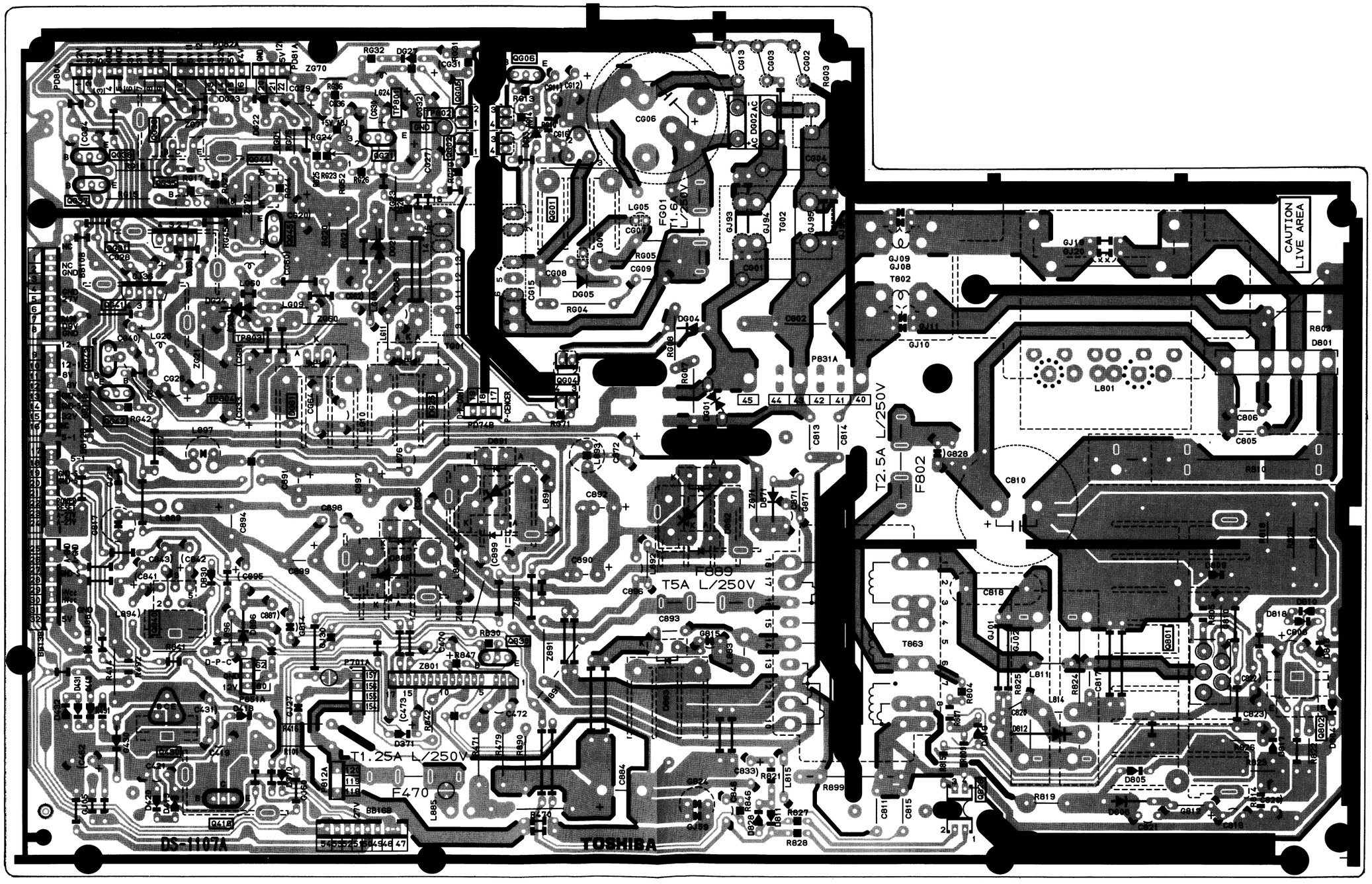
EXPANDER BOARD PB8829D-2

BOTTOM (FOIL) SIDE



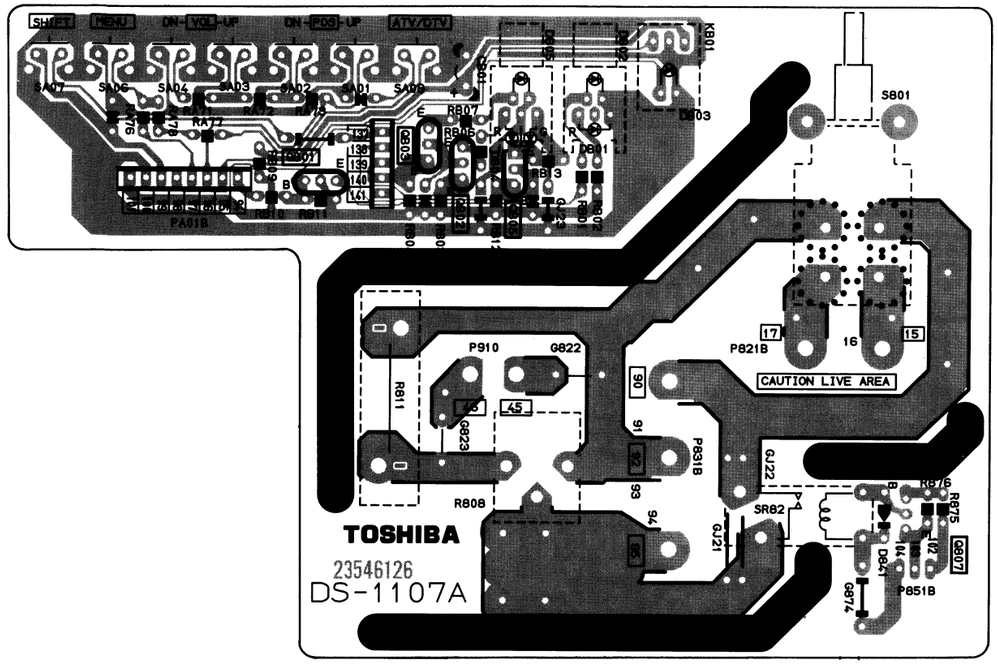
POWER BOARD PB8830D

BOTTOM (FOIL) SIDE



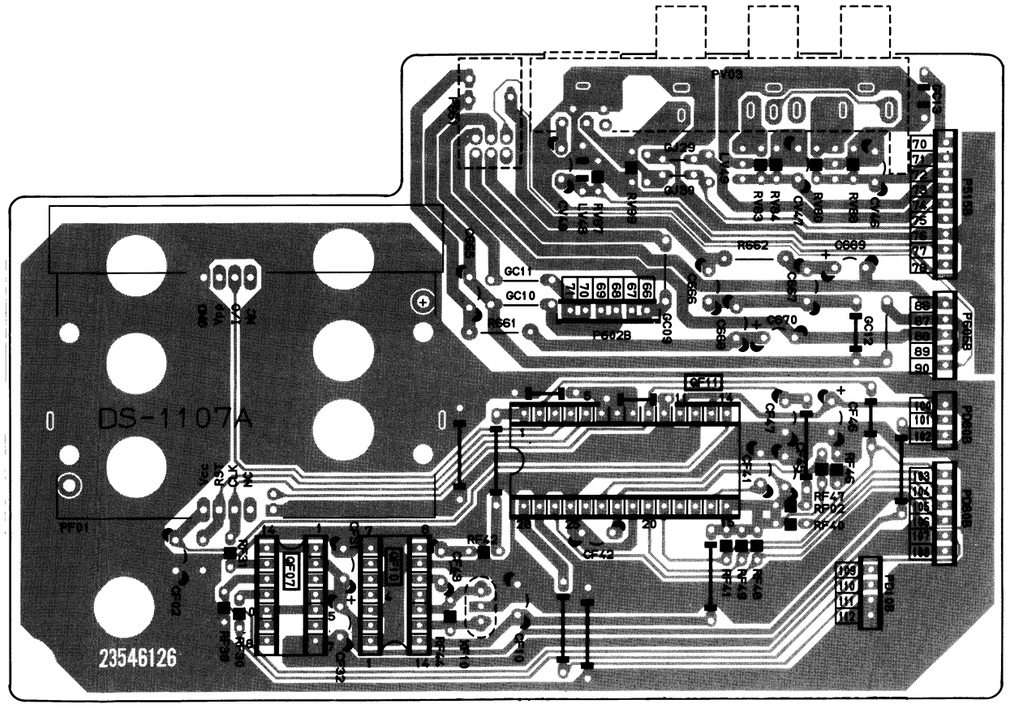
CONT-1 BOARD PB8835C-1

BOTTOM (FOIL) SIDE



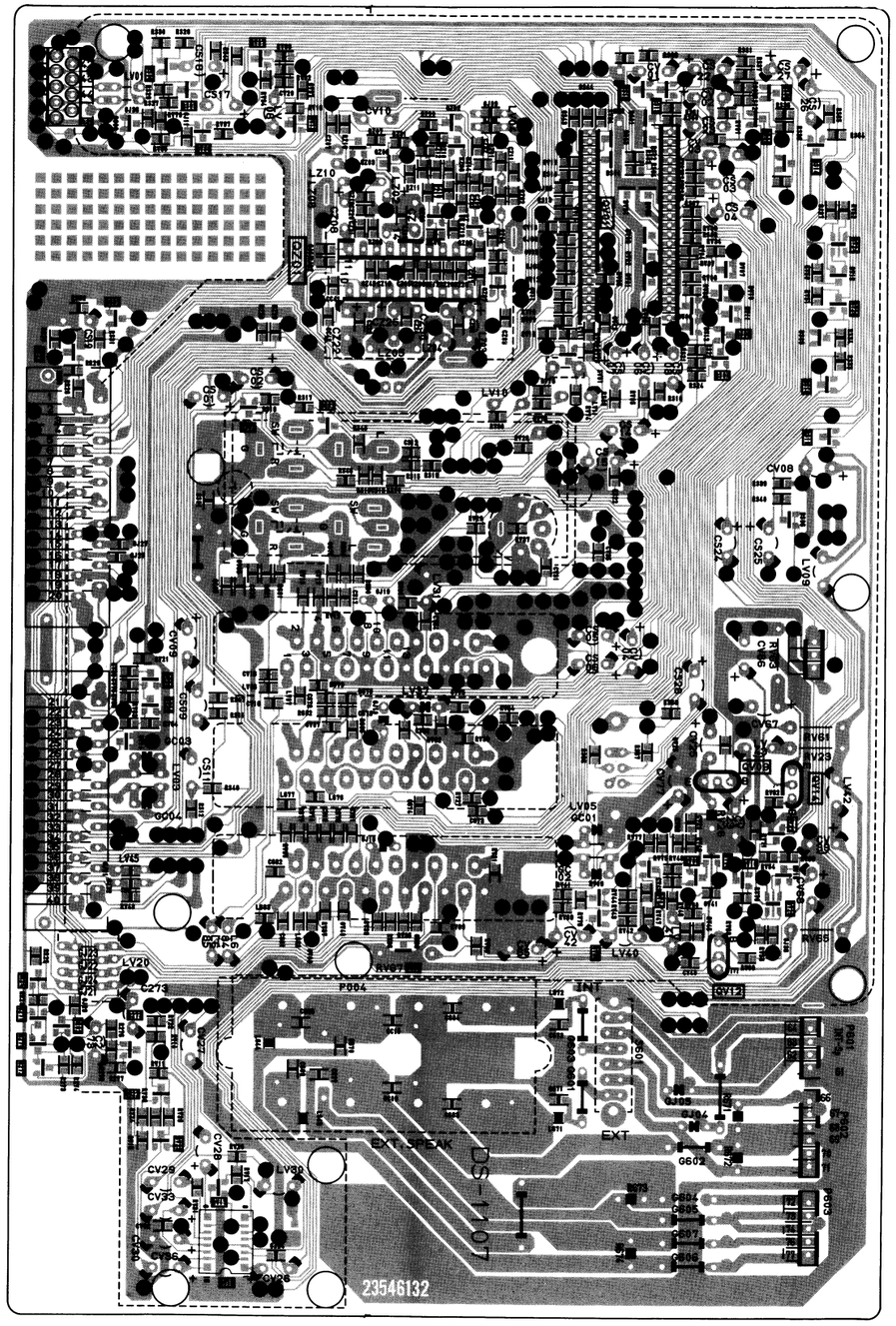
CONT-2 BOARD PB8835C-2

BOTTOM (FOIL) SIDE



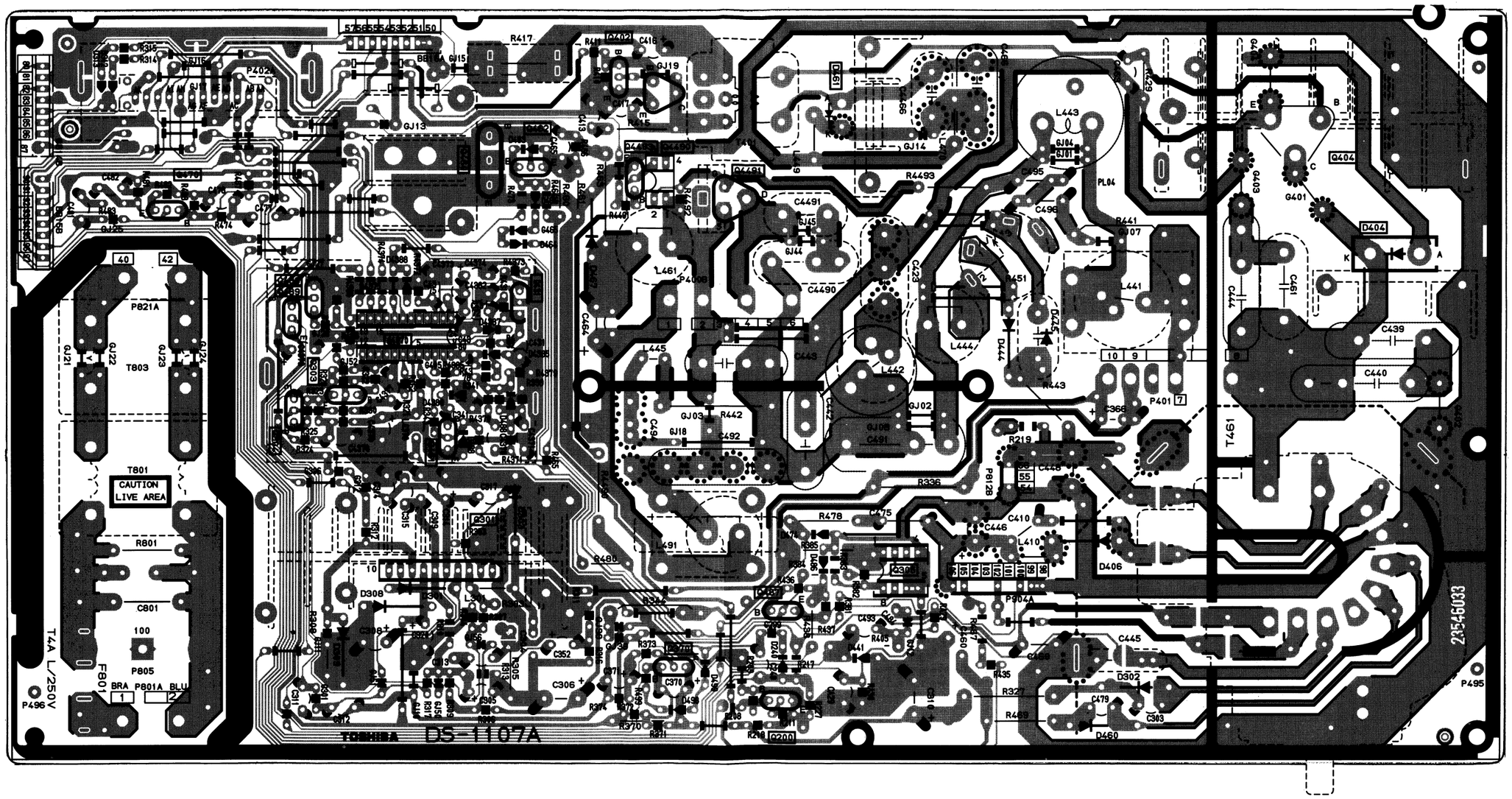
BACK TERMINAL/AV BOARD PB8836C

BOTTOM (FOIL) SIDE



DEF BOARD PB8831B

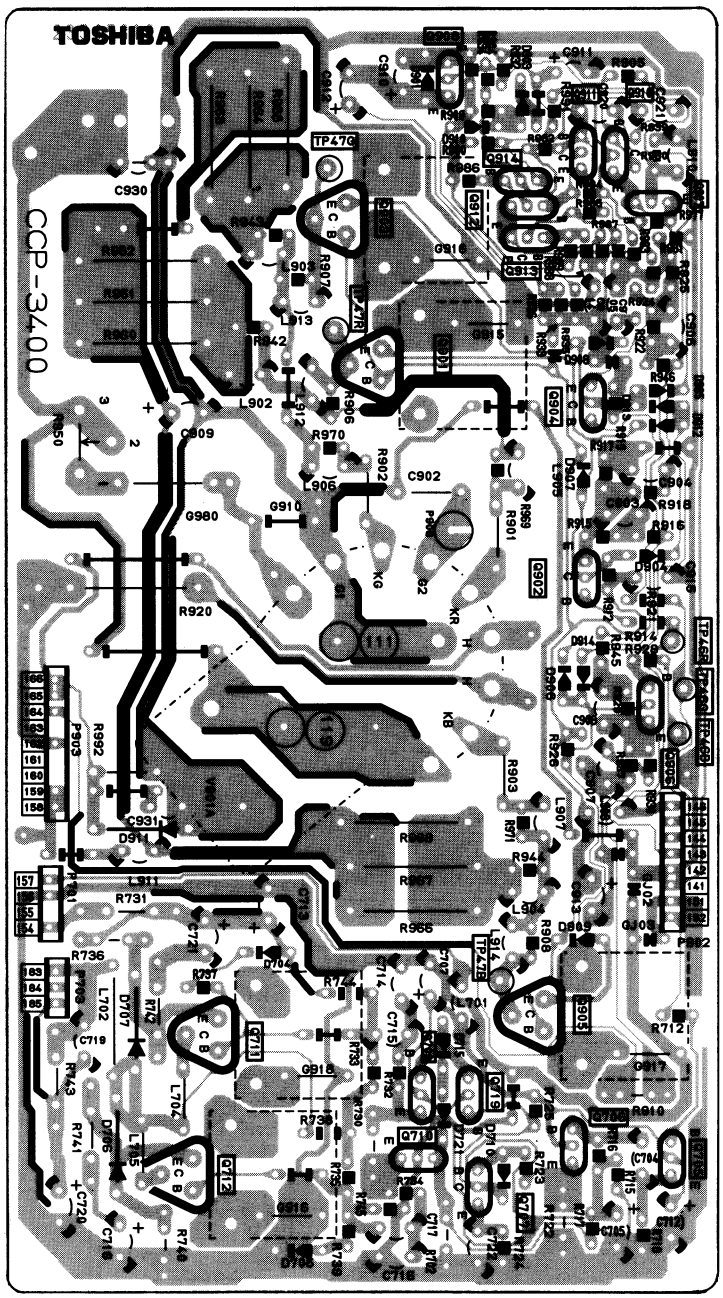
BOTTOM (FOIL) SIDE



MC-Service

CRT DRIVE/DSM BOARD PB8813B

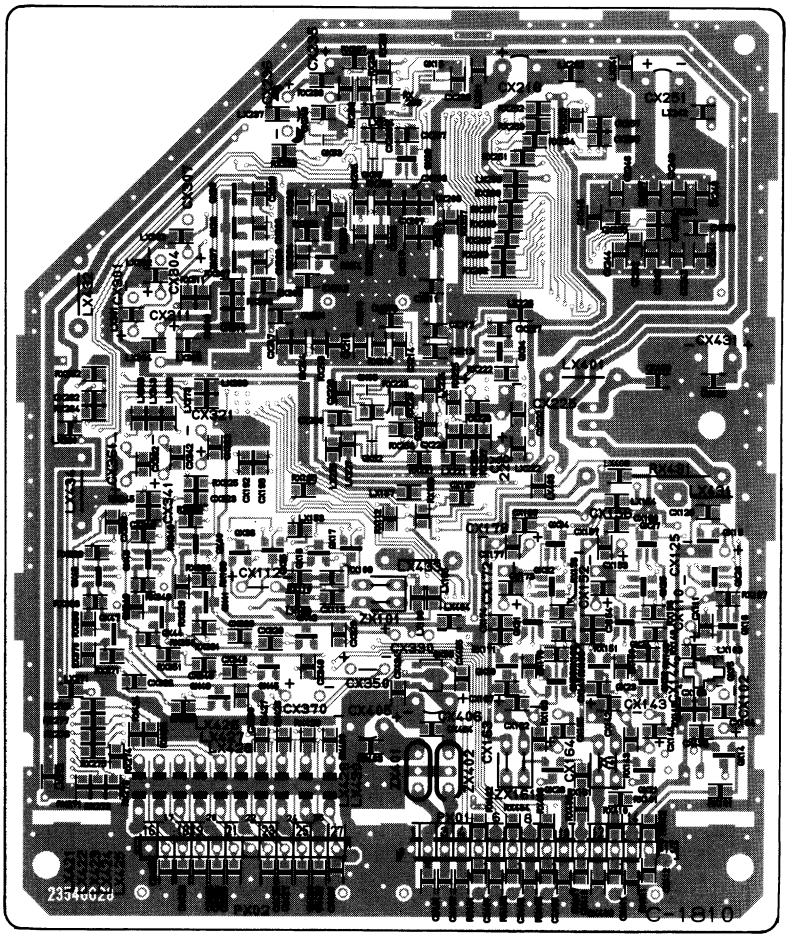
BOTTOM (FOIL) SIDE



MC-Service

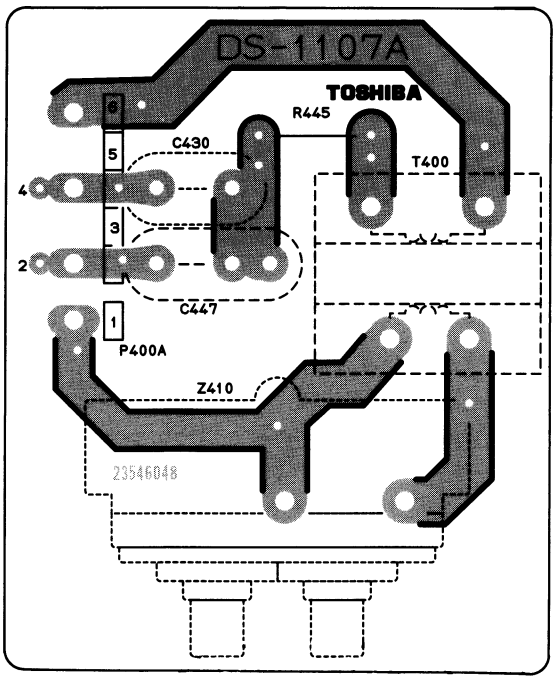
D-SCAN BOARD PB8826A

BOTTOM (FOIL) SIDE



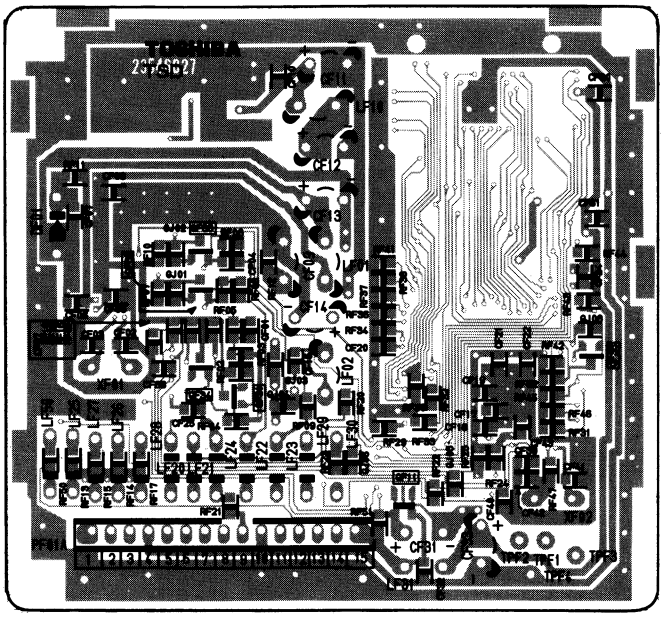
FOCUS BOARD PB8856A

BOTTOM (FOIL) SIDE



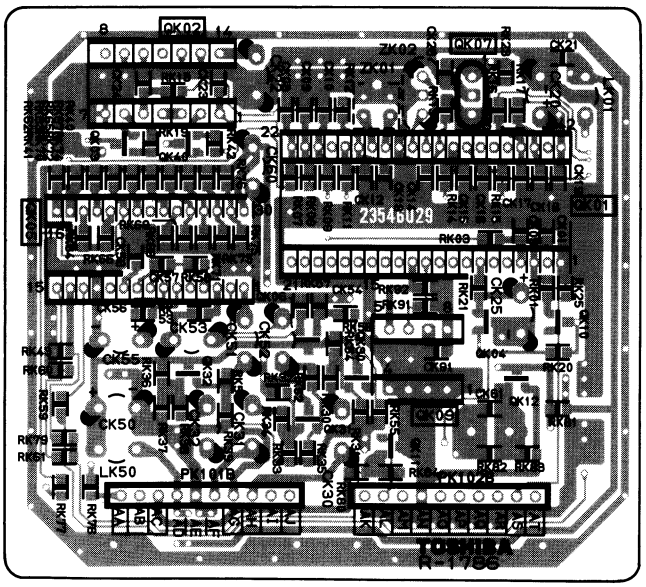
EPG-TEXT BOARD PB8825A

BOTTOM (FOIL) SIDE



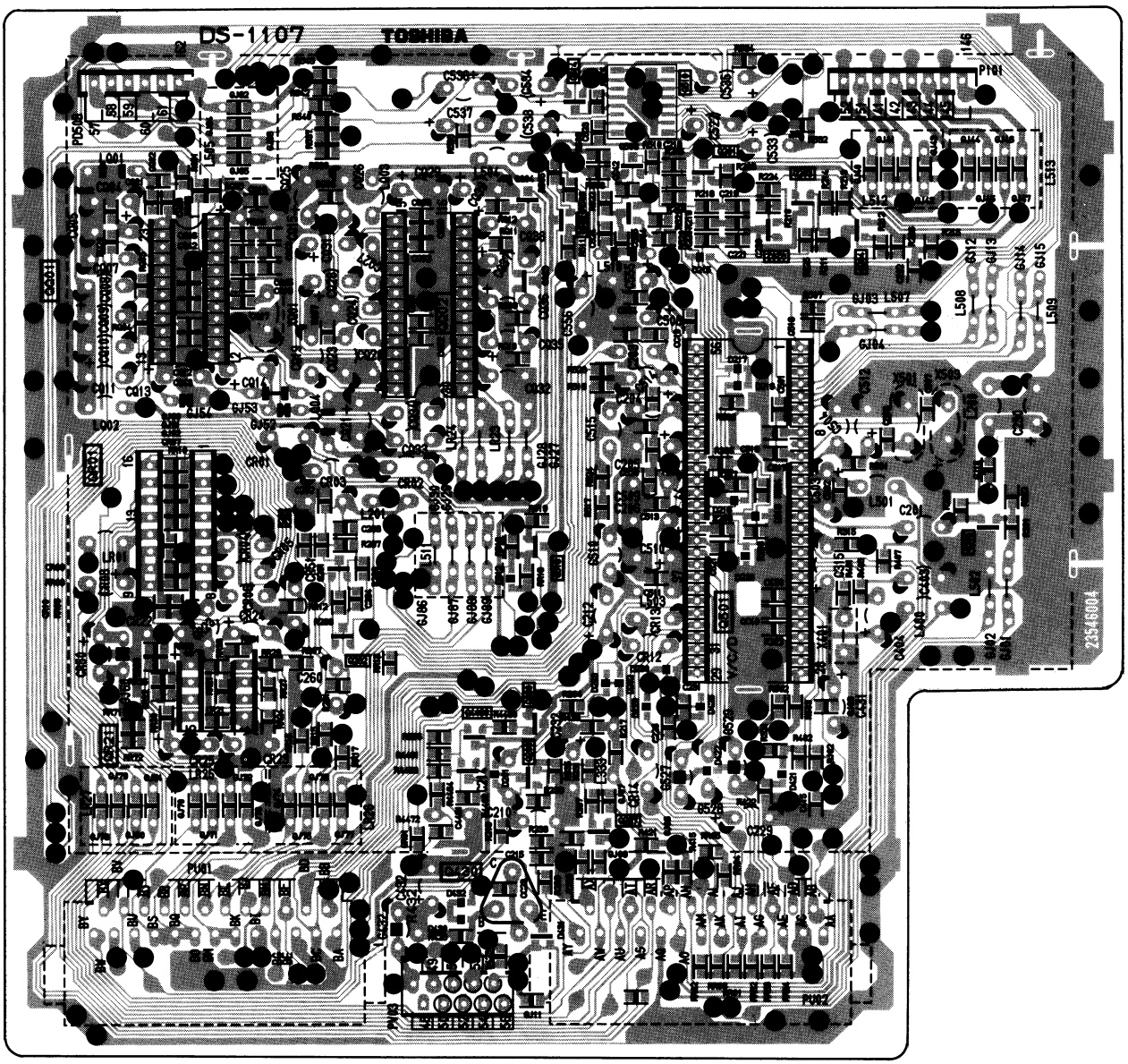
AUTO LIVE BOARD PB8827A

BOTTOM (FOIL) SIDE



VCD BOARD PB8768E

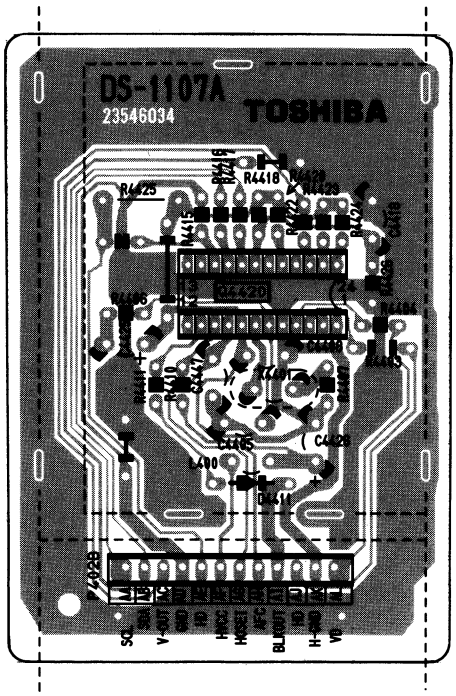
BOTTOM (FOIL) SIDE



MC-Service

100Hz BOARD PB8832A

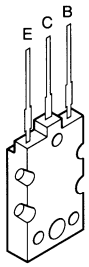
BOTTOM (FOIL) SIDE



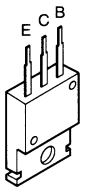
MC-Service

TERMINAL VIEW OF TRANSISTORS

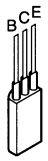
① 2SD2253
(old)
2SC5243
2SC5570



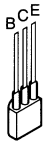
② 2SC3852
2SD1763A
2SC1569
2SC4544
2SA1788
2SA1306
2SA1186A



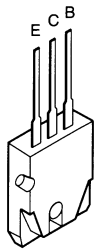
③ 2SC752GTM
2SC2482
2SC2655
2SC4721P



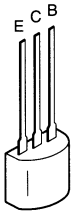
④ 2SC752
2SA562TM
2SA1015
2SC1815
2SC2878
2SC1740S
2SC2120
2SA9335



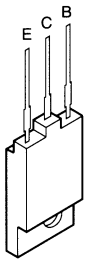
⑤ 2SA1788



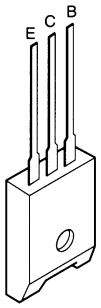
⑥ RN2203
RN2201
RN2004
RN1203
RN1204
RN2204
RN1205
RN1202
RN1201



⑦ 2SD1554
2SD2253
2SD1556
2SC5143
2SD2553



⑧ ON4409



SCHEMATIC DIAGRAM MODEL : 32WD96G (1/6)

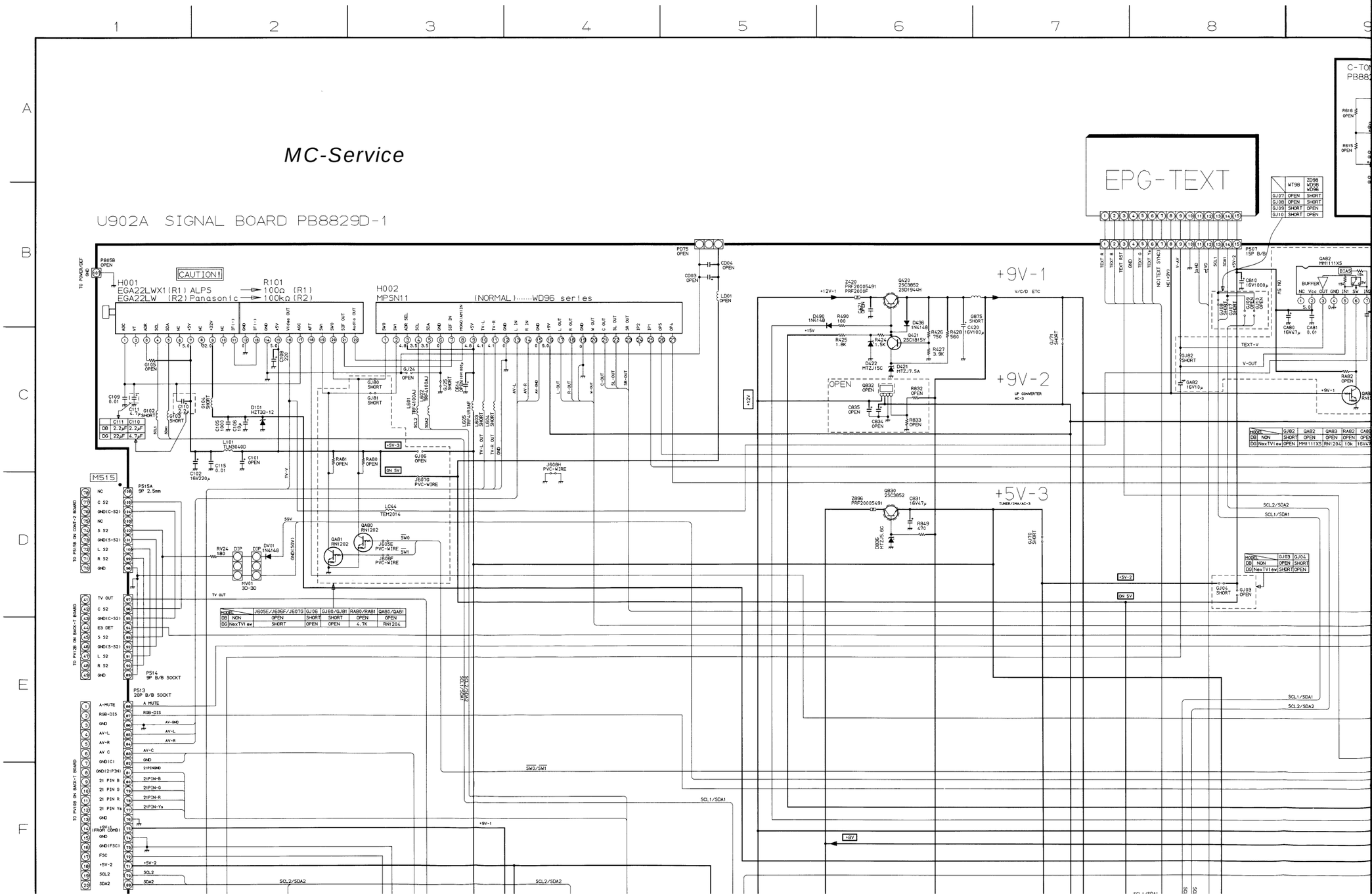
CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

NOTES:

1. D.C. resistance value of a principl
gram. These are measured for sepa
2. The circuits are subject to change
3. ● : Solder links.



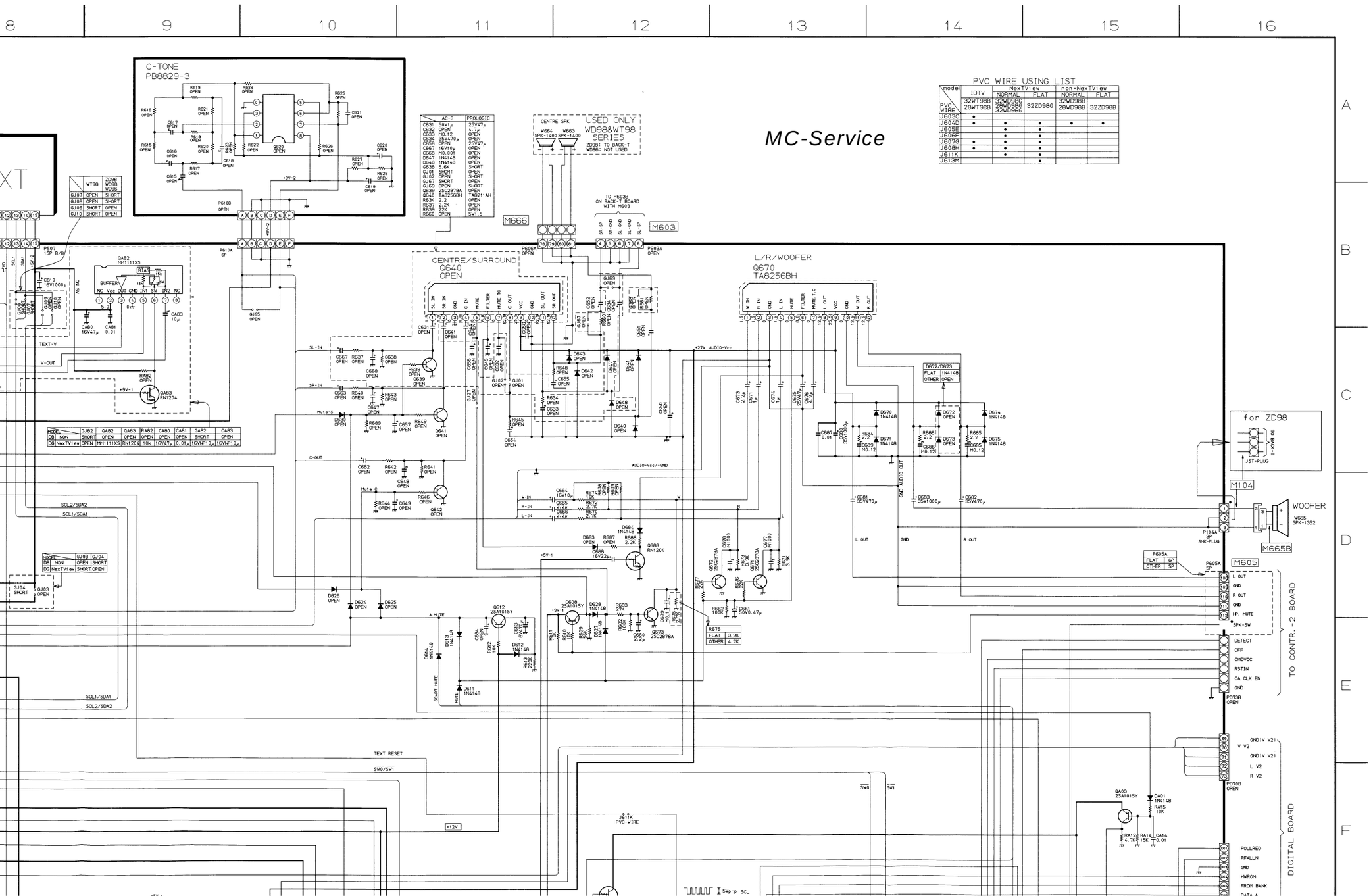
:

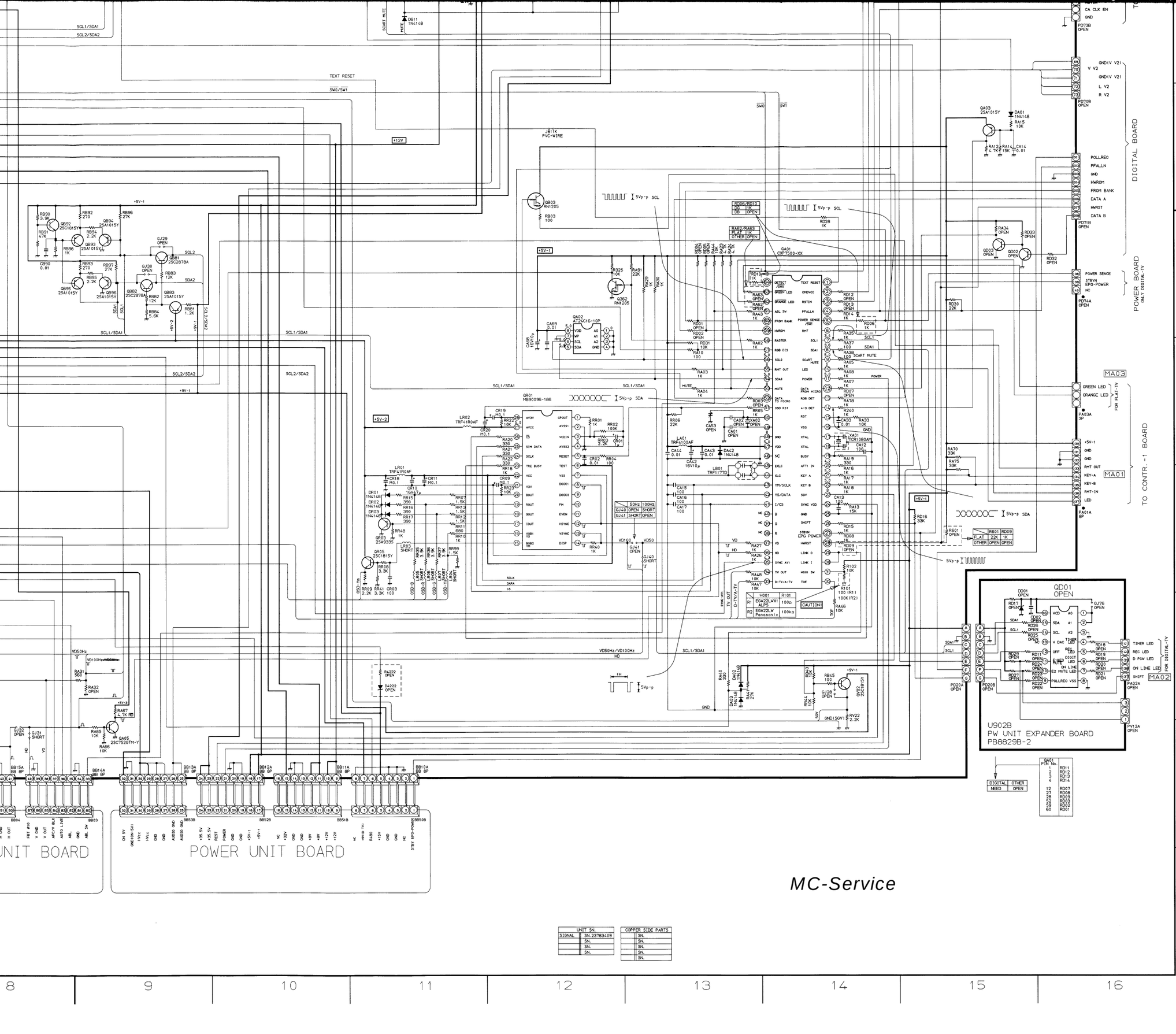
resistance value of a principal transformer is shown in this schematic dia-
n. These are measured for separated from the circuit.
circuits are subject to change without notice.
: Solder links.

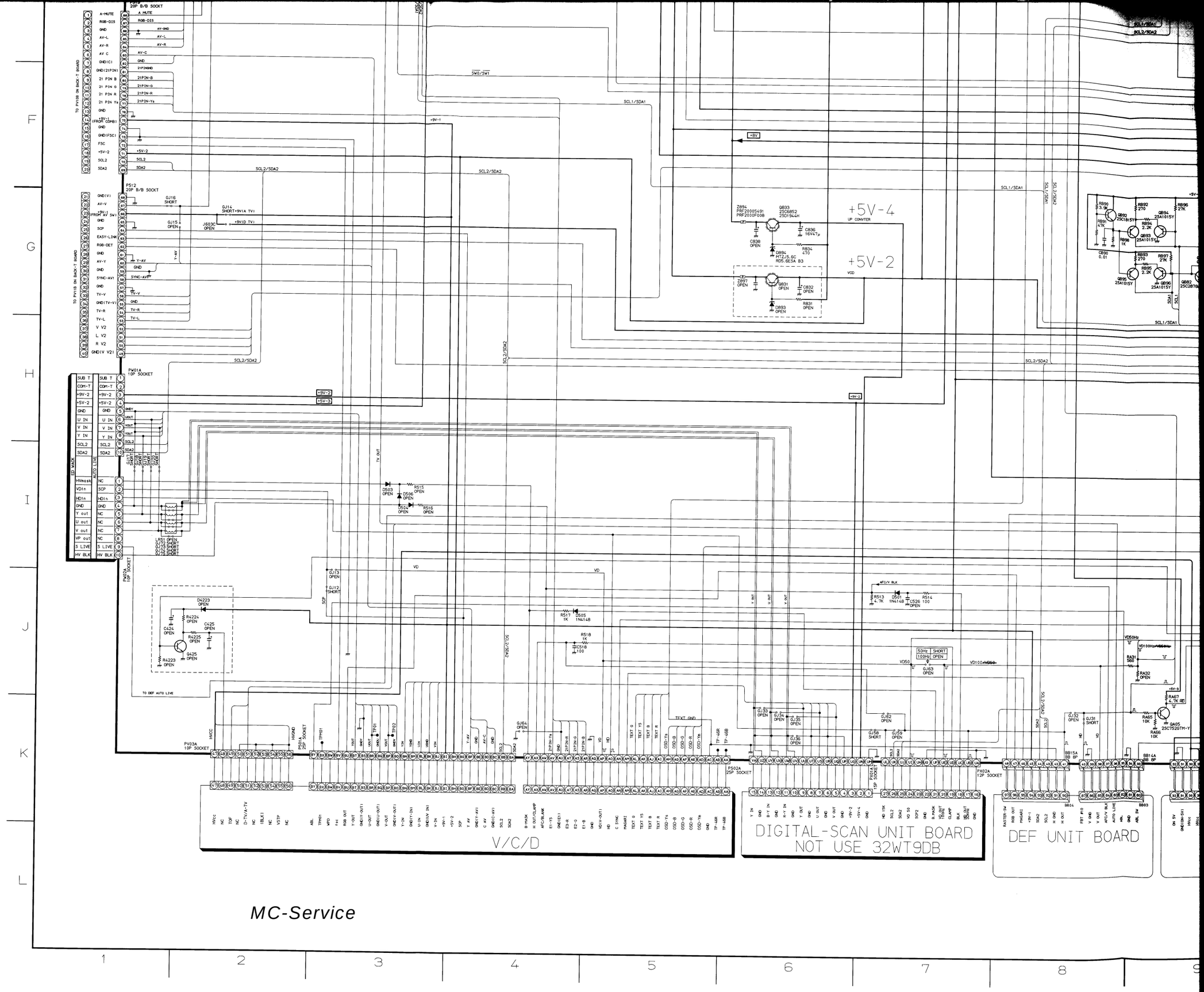
EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUCTOR

1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.




SCL1/SDA1
SCL2/SDA2
TEXT RESET
SW0/SW1
+12V
+5V-1
+5V-2
+9V-1
+5V-3
SCART MUTE
5Vp-p SCL
5Vp-p SDA
VD50Hz
VD100Hz
HD
FH
GA01 CXP7500-XX
QA02 AT24C16-10P
QR01 M30096-186
LA01 TRF4100AF
LR01 TRF41R0AF
LR02 TRF41R0AF
LB01 TRF1177D
QA03 2SA1015Y
QA04 2SC752GTM-Y
QA05 2SC752GTM-Y
QB03 RN1205
QR03 2SA933S
QR05 2SC1815Y
QD01 OPEN
U902B
PW UNIT EXPANDER BOARD
P88829B-2
DIGITAL BOARD
POWER BOARD
ONLY DIGITAL-TV
TO CONTR.-1 BOARD
FOR DIGITAL-TV
FOR FLAT-TV
MAIN UNIT BOARD
POWER UNIT BOARD
MC-Service
UNIT SN.
SIGNAL | SN.23783409
COPPER SIDE PARTS
SN.


P511
20P B/B SOCKT
A MUTE
RGB-DIS
AV-GND
AV-L
AV-R
AV-C
GND
21PINGND
21PIN-B
21PIN-G
21PIN-R
21PIN-Ys
+9V-1
GND
GND(FSC)
FSC
+5V-2
SCL2
SDA2
TO PV10B ON BACK-T BOARD
P512
20P B/B SOCKT
GND(V)
AV-V
+9V-1
GND
SCP
EASY-LINK
RGB-DET
GND
AV-Y
GND
SYNC-AV
GND
TV-V
GND(TV-V)
TV-R
TV-L
V V2
L V2
R V2
GND(V V2)
TO PV11B ON BACK-T BOARD
GJ16 SHORT
GJ14 SHORT+9V(A TV)
GJ15 OPEN
J603C OPEN
+9V(D TV)
Y-AV
PV01A
10P SOCKET
SUB T
COM-T
+9V-2
+5V-2
GND
U IN
V IN
Y IN
SCL2
SDA2
SW0/SW1
SCL1/SDA1
SCL2/SDA2
+9V-1
+9V-2
+5V-3
+5V-2
+5V-4
UP CONVTER
VCC
Z894 PRF20005491 PRF2030F008
Q833 2SC6852 2SD1944H
C836 16V47μ
C838 OPEN
D894 MTZJ5.6C RD5.6ESA B3
R834 470
Z897 OPEN
Q831 OPEN
C832 OPEN
D893 OPEN
R831 OPEN
Q890 RB90 3.9K RB91 47K RB92 270 RB94 2.2K RB96 27K RB98 1K RB93 270 RB97 2K RB95 2.2K RB99 0.01
TV out
D503 OPEN
D506 OPEN
D504 OPEN
R515 OPEN
R516 OPEN
RS1 OPEN
RS2 SHORT
RS3 SHORT
RS4 SHORT
RS5 SHORT
GJ13 OPEN
GJ12 SHORT
SCP
VD
D4223 OPEN
R4224 OPEN
R4225 OPEN
C424 OPEN
C425 OPEN
Q425 OPEN
R4223 OPEN
TO DEF AUTO LIVE
R517 1K
D505 1N4148
R518 1K
C518 100
R513 4.7K
D521 1N4148
C526 OPEN
R514 100
50Hz SHORT
100Hz OPEN
VD50
GJ63 OPEN
VD50Hz
VD100Hz
R531 560
RA32 OPEN
RA67 4.7K RD
RA65 10K
RA66 10K
QA05 2SC752GTH-Y
GJ62 OPEN
GJ58 SHORT
GJ59 OPEN
GJ53 OPEN
GJ54 OPEN
GJ55 OPEN
GJ56 OPEN
GJ52 OPEN
GJ31 SHORT
PV03A
10P SOCKET
PS01A
25P SOCKET
TPH01
TPH02
TPV01
TPV02
PS02A
25P SOCKET
PX01A
15P SOCKET
PX02A
12P SOCKET
BB15A
BB 8P
BB14A
BB 8P
BB04
BB03
TFXT GND
V/C/D
DIGITAL-SCAN UNIT BOARD
NOT USE 32WT9DB
DEF UNIT BOARD

MC-Service

SCHEMATIC DIAGRAM MODEL : 32WD96G (2/6)
28WD96G

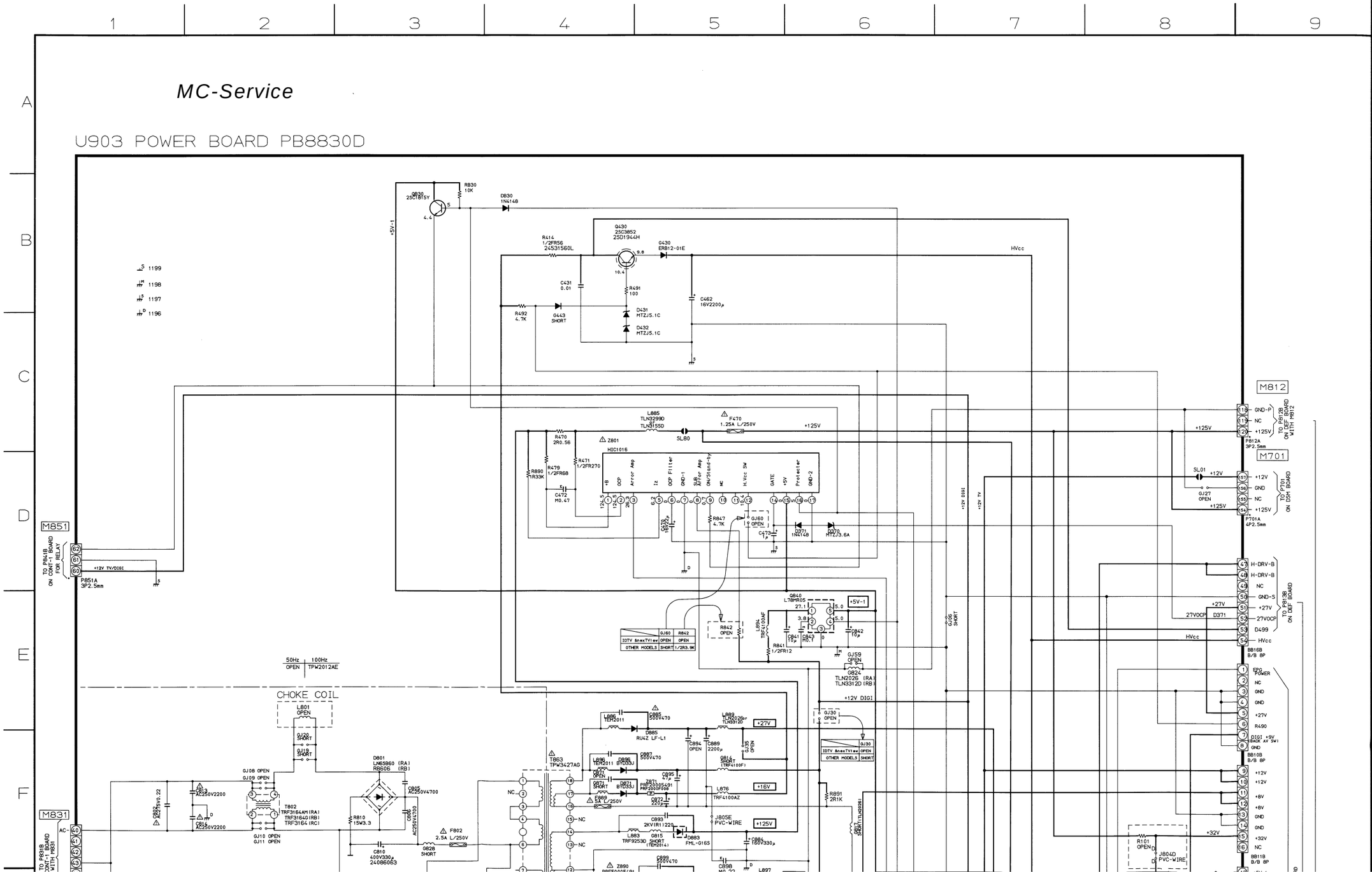
CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

NOTES:

1. D.C. resistance value of a principal transfo
gram. These are measured for separated fro
2. The circuits are subject to change without n
3. ● : Solder links.



EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUCTOR

1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.

NOTES:

1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. ⬬ : Solder links.

8 9 10 11 12 13 14 15 16

A B C D E F

U904 DEF BOARD PB8831B
100Hz MODEL ONLY

U905 100Hz BOARD PB8832A

MC-Service

M812

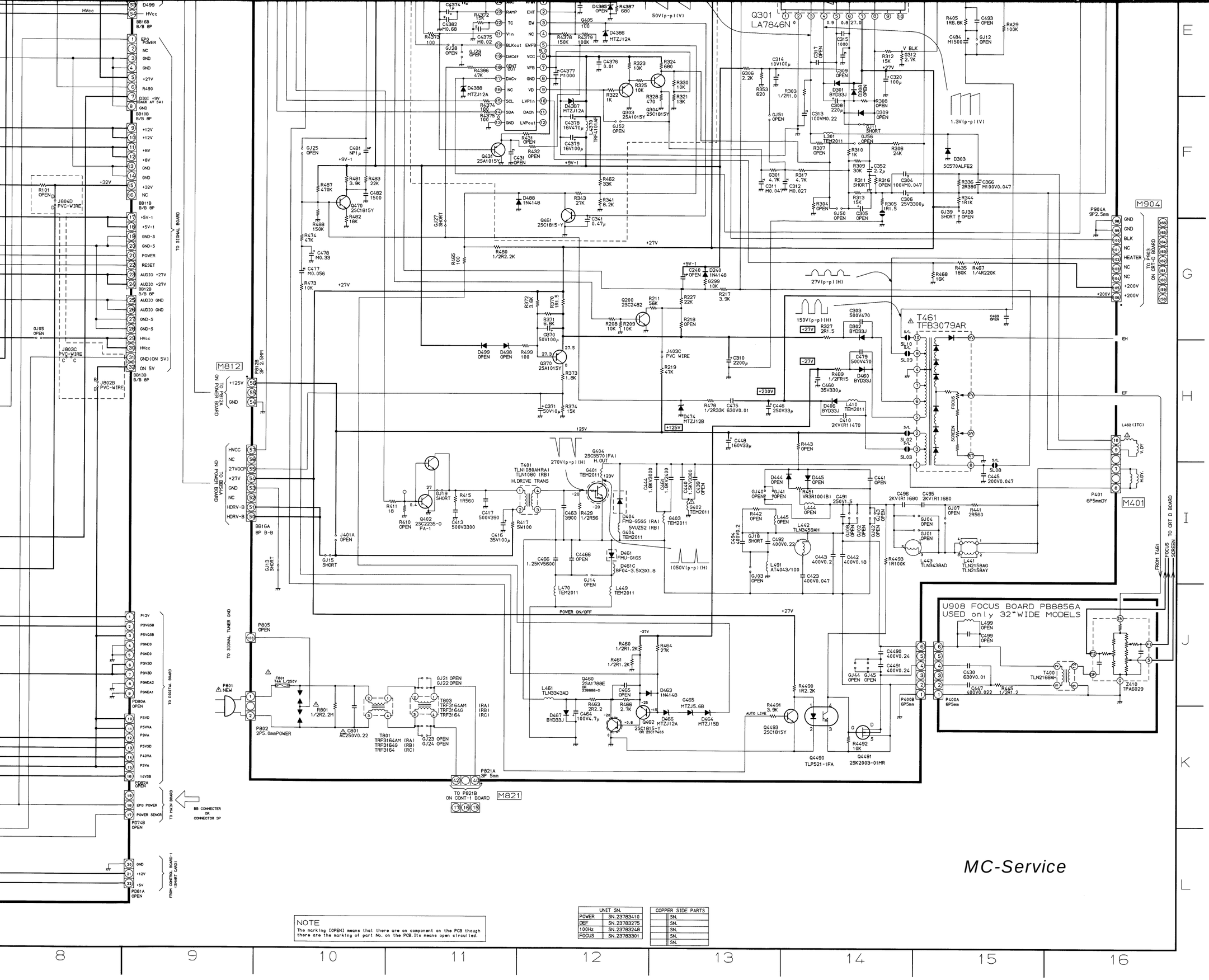
M701

SHIELD CASE

LA7833S for 32ZD986/B

Q301 LA7846N

M904


Q301 LA7846N
T461 TFB3079AR
U908 FOCUS BOARD PB8856A
USED only 32"WIDE MODELS
MC-Service
NOTE
The marking [OPEN] means that there are on component on the PCB though there are the marking of part No. on the PCB. Its means open circuited.
UNIT SN.
POWER SN.23783410
DEF SN.23783275
100Hz SN.23783248
FOCUS SN.23783301
COPPER SIDE PARTS
SN.
SN.
SN.
SN.
SN.
TO SIGNAL BOARD
TO DIGITAL BOARD
TO MAIN BOARD
FROM CONTROL BOARD-1 (SMART CARD)
TO POWER BOARD
TO CONT-1 BOARD
TO CRT D BOARD
FROM T461
FOCUS
SCREEN
ON POWER BOARD
ON CRT-D BOARD
BB CONNECTER OR CONNECTOR 3P
E
F
G
H
I
J
K
L
8
9
10
11
12
13
14
15
16

CAUTION LIVE AREA

MC-Service

SCHEMATIC DIAGRAM MODEL : 32WD96G (3/6)
28WD96G

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
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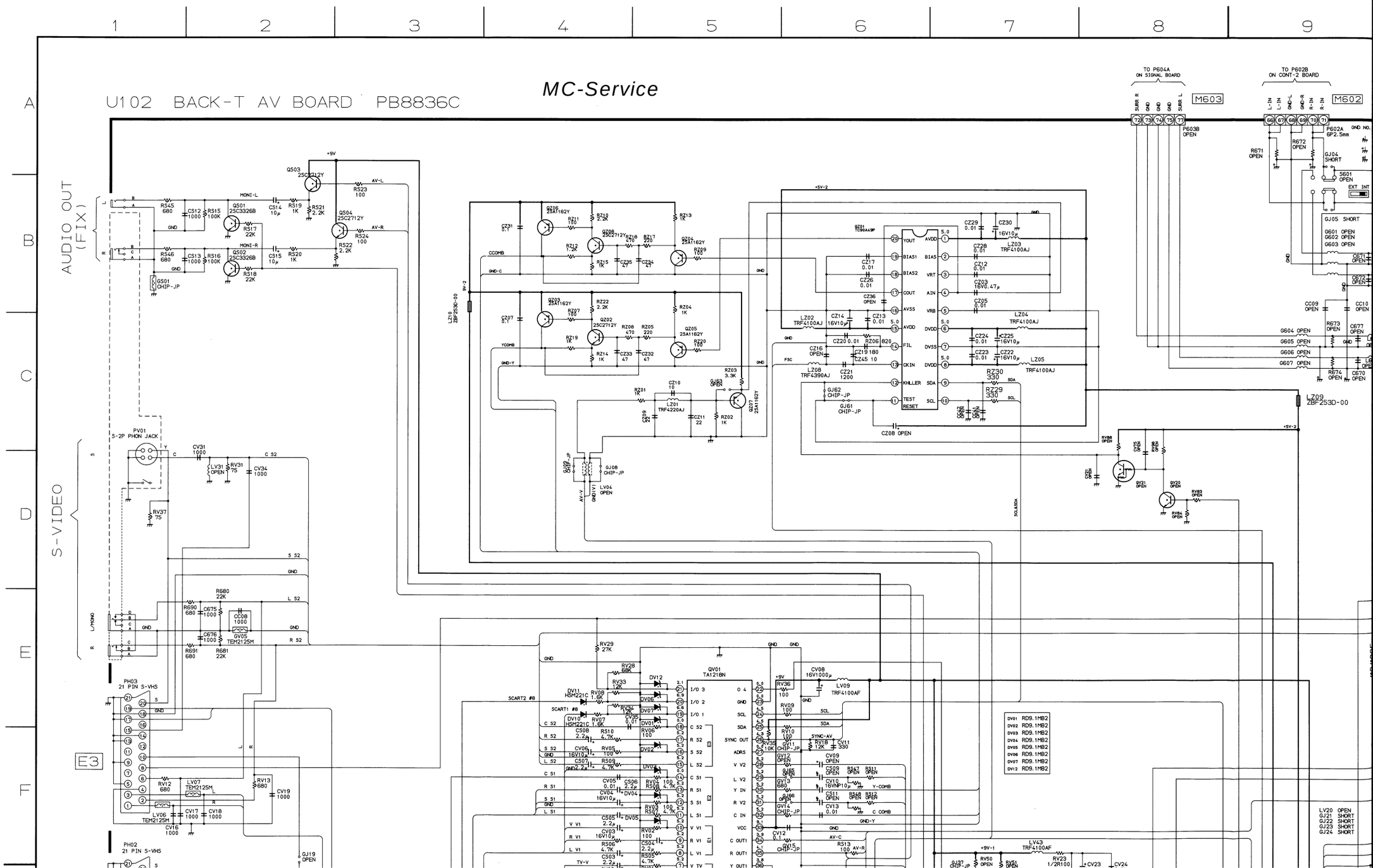
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

NOTES:

1. D.C. resistance value of a principal transform
   gram. These are measured for separated from
2. The circuits are subject to change without not
3. ● : Solder links.



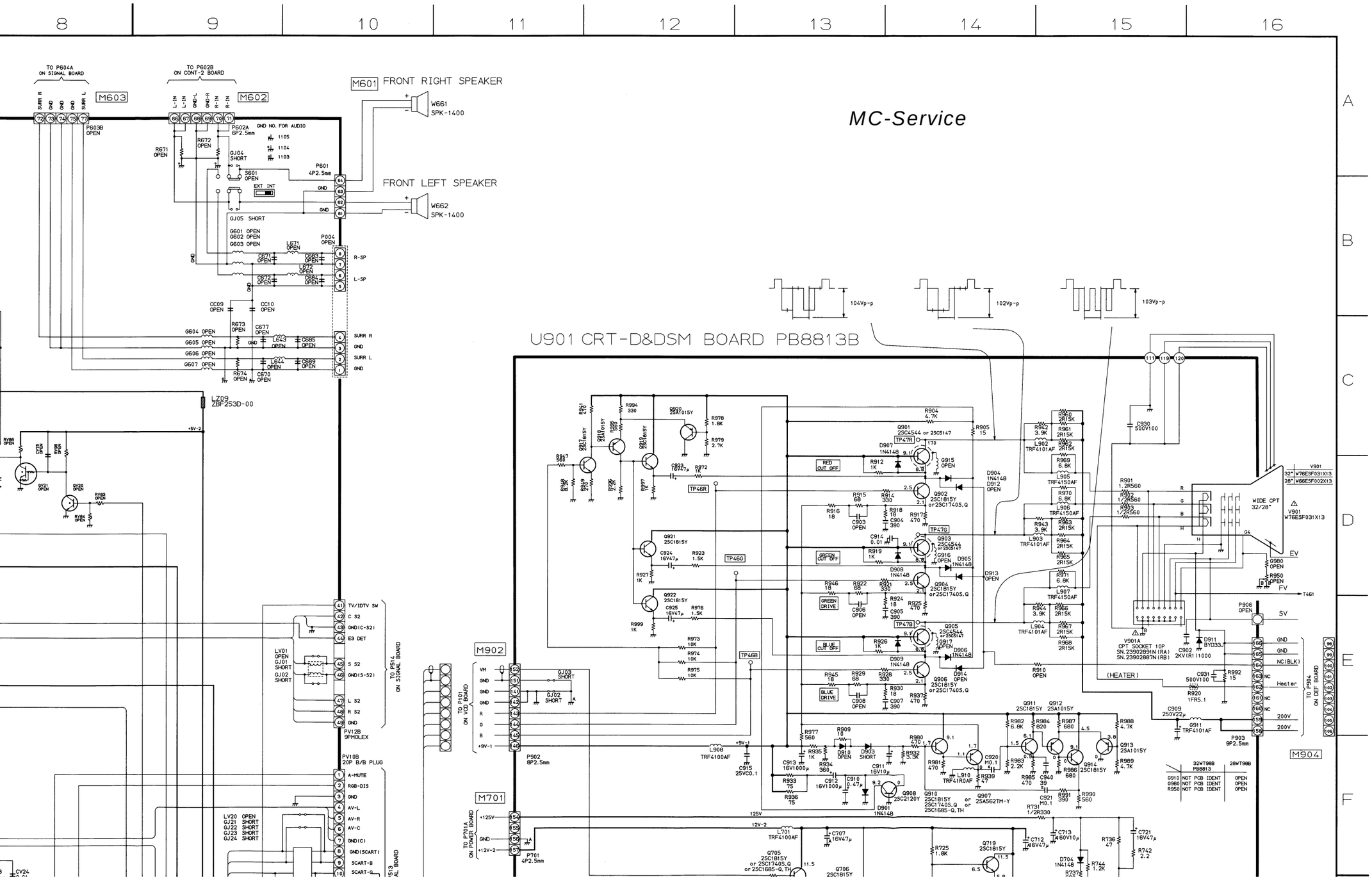
EXPRESSION

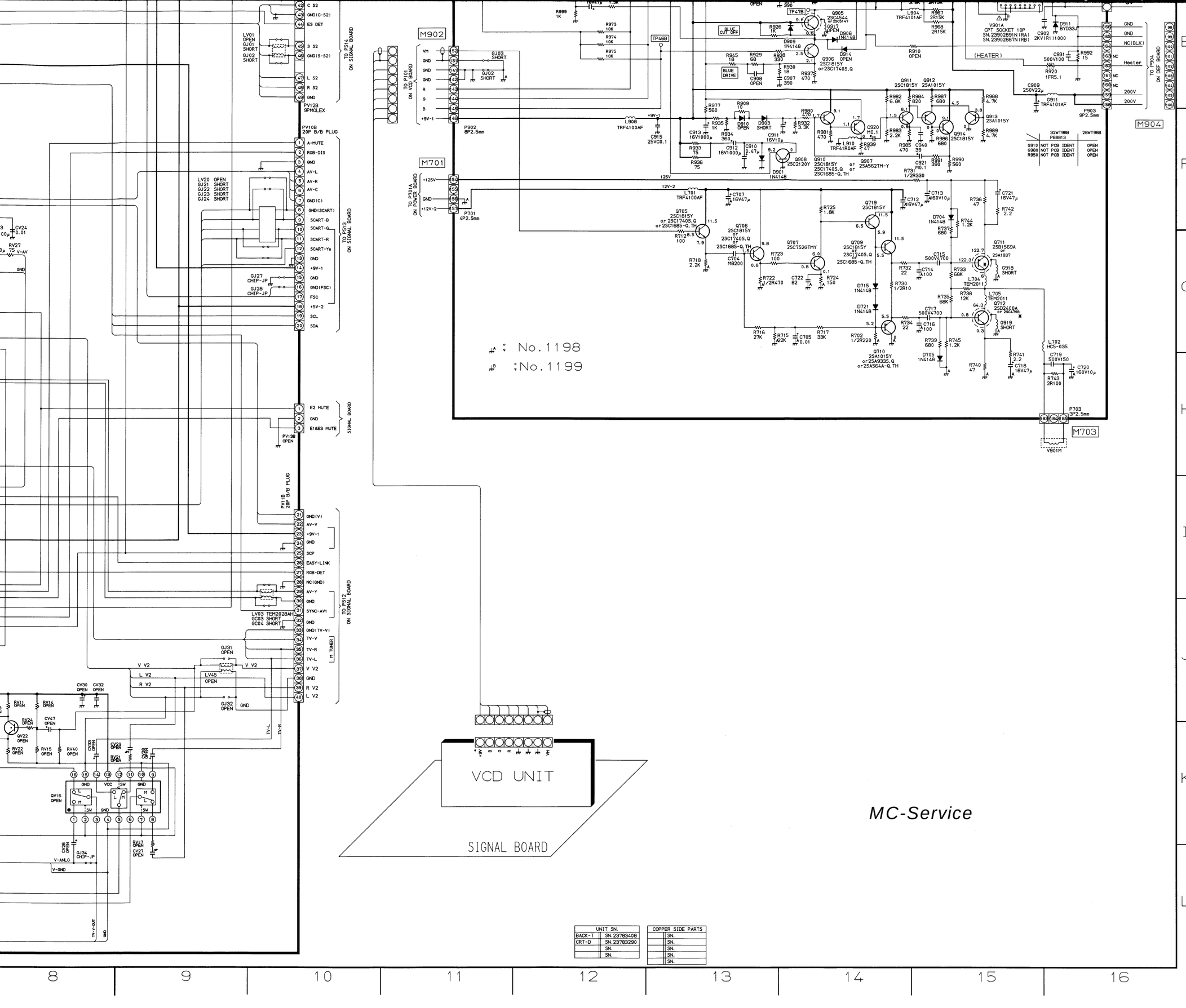
VALUE OF RESISTOR, CAPACITOR and INDUCTOR

1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.

NOTES:

1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. ● : Solder links.

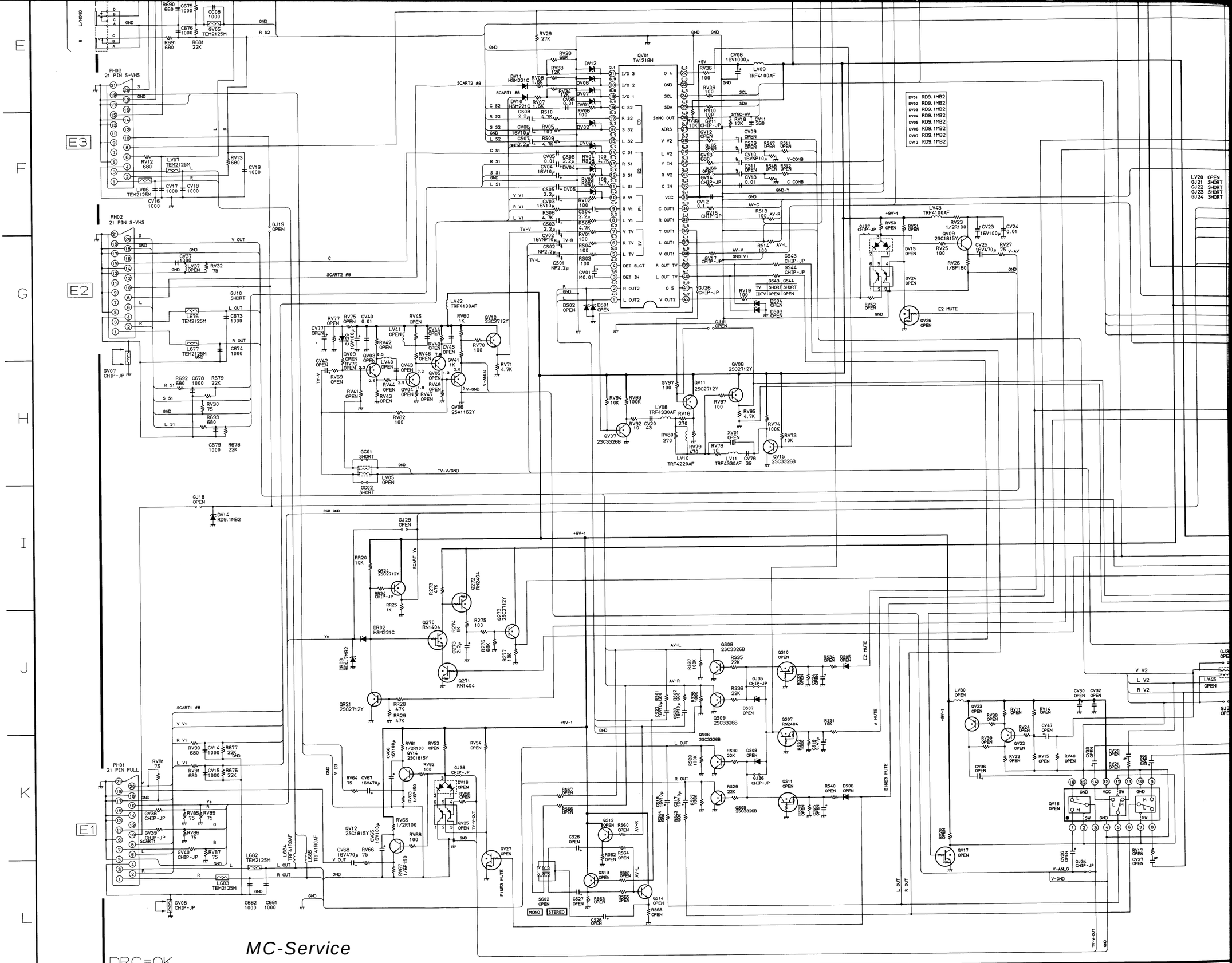




UNIT SN.	
BACK-T	SN.23783408
CRT-D	SN.23783290
	SN.
	SN.

COPPER SIDE PARTS
SN.
SN.
SN.
SN.
SN.

MC-Service


MC-Service
DRC=OK
PH01 21 PIN FULL
PH02 21 PIN S-VHS
PH03 21 PIN S-VHS
QV01 TA1218N
SCART1 #8
SCART2 #8
E1
E2
E3
DV01 RD9.1MB2
DV02 RD9.1MB2
DV03 RD9.1MB2
DV04 RD9.1MB2
DV05 RD9.1MB2
DV06 RD9.1MB2
DV07 RD9.1MB2
DV12 RD9.1MB2
LV20 OPEN
GJ21 SHORT
GJ22 SHORT
GJ23 SHORT
GJ24 SHORT
V-ANLG
V-GND
TV-V/GND
TV-V-OUT
E2 MUTE
E1&E3 MUTE
A MUTE
AV-L
AV-R
C COMB
Y-COMB
GND-Y
SYNC-AV
MONO
STEREO

SCHEMATIC DIAGRAM MODEL : 32WD96G (4/6)
28WD96G

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

NOTES:

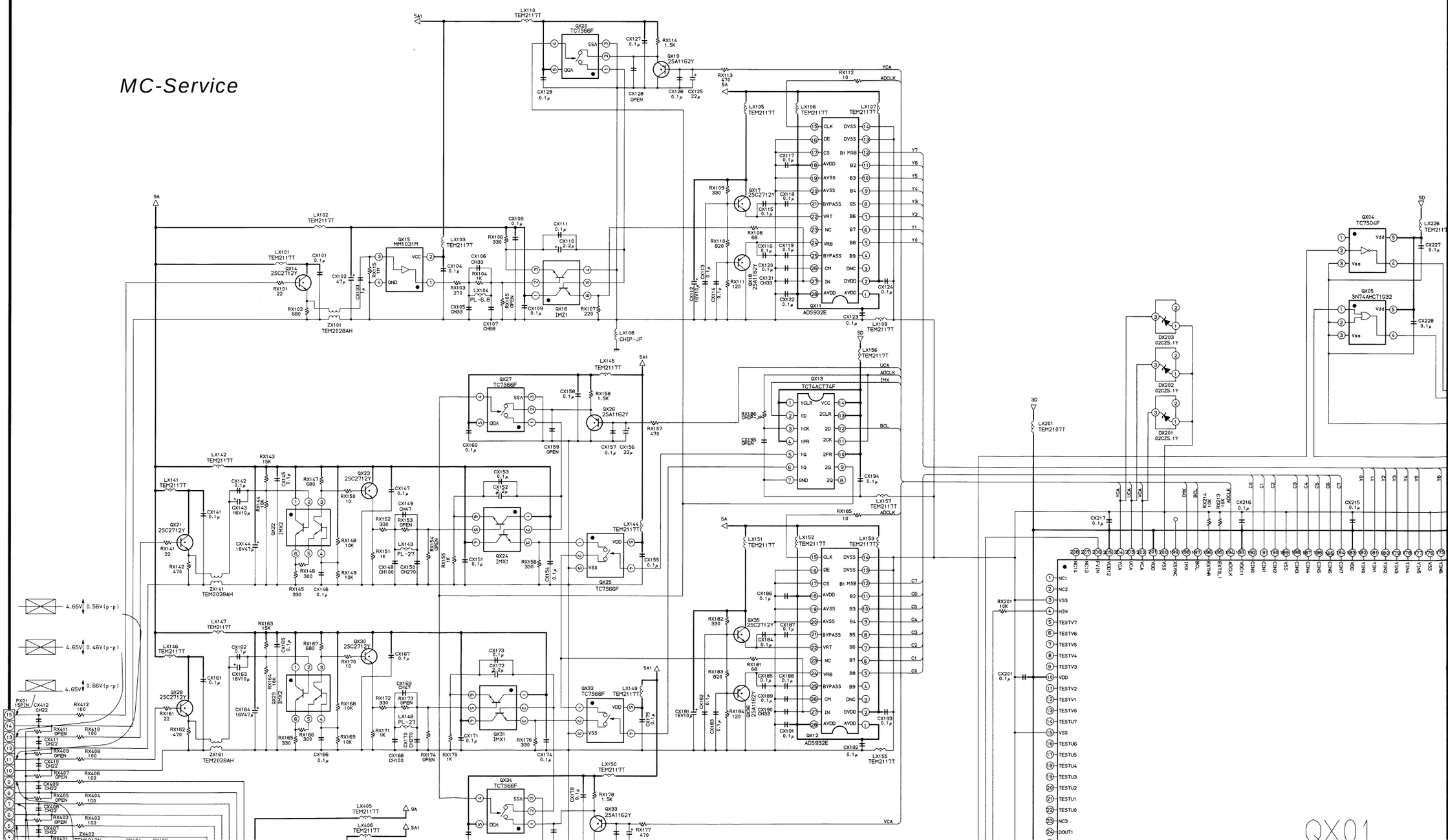
1. D.C. resistance value of a principal
   gram. These are measured for separ
2. The circuits are subject to change w
3. ⬬ : Solder links.

1 2 3 4 5 6 7 8 9 10

A B C D E F G

U105 DIGITAL-SCAN BOARD

MC-Service



AND WAVEFORMS

n point shown to chassis ground, line voltage 220
ges reading may vary ±20%.
a wide band oscilloscope and a low capacity probe.
standard colour bar signal.
and COLOUR controls are in mid position and
t in maximum position. Set other controls for best

NOTES:

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EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUCTOR

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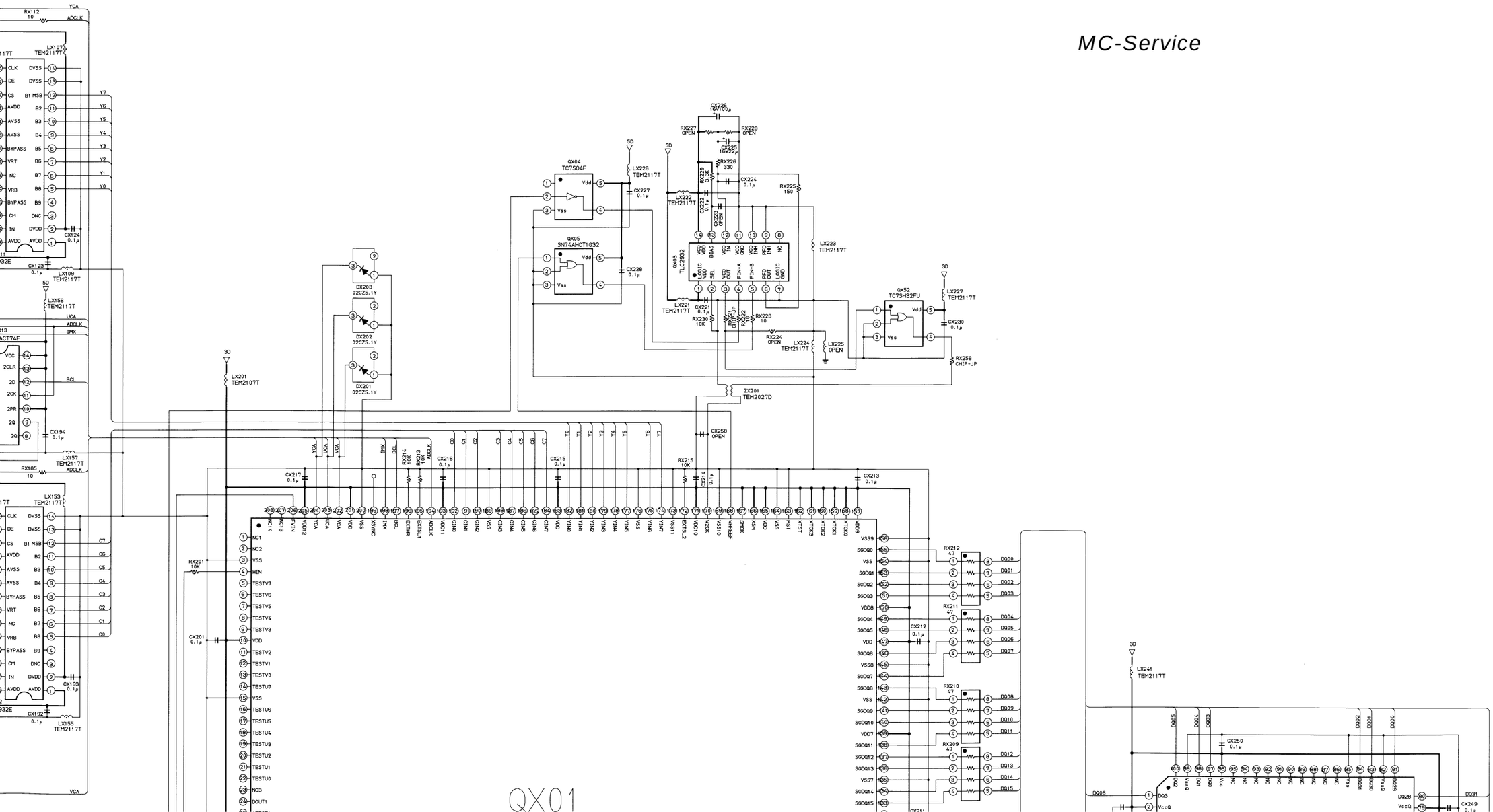
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.

7 8 9 10 11 12 13 14 15 16

A B C D E F G

MC-Service



QX01
TC90A61F

QX02
MB81G163222

UNIT SN.	
D-SCAN	SN. 23783241
	SN.
	SN.
	SN.

COPPER SIDE PARTS	
	SN.
	SN.
	SN.
	SN.
	SN.

7 8 9 10 11 12 13 14 15 16

E F G H I J K L

QX01
TC90A61F

MC-Service

SCHEMATIC DIAGRAM MODEL : 28WD96G (5/6)

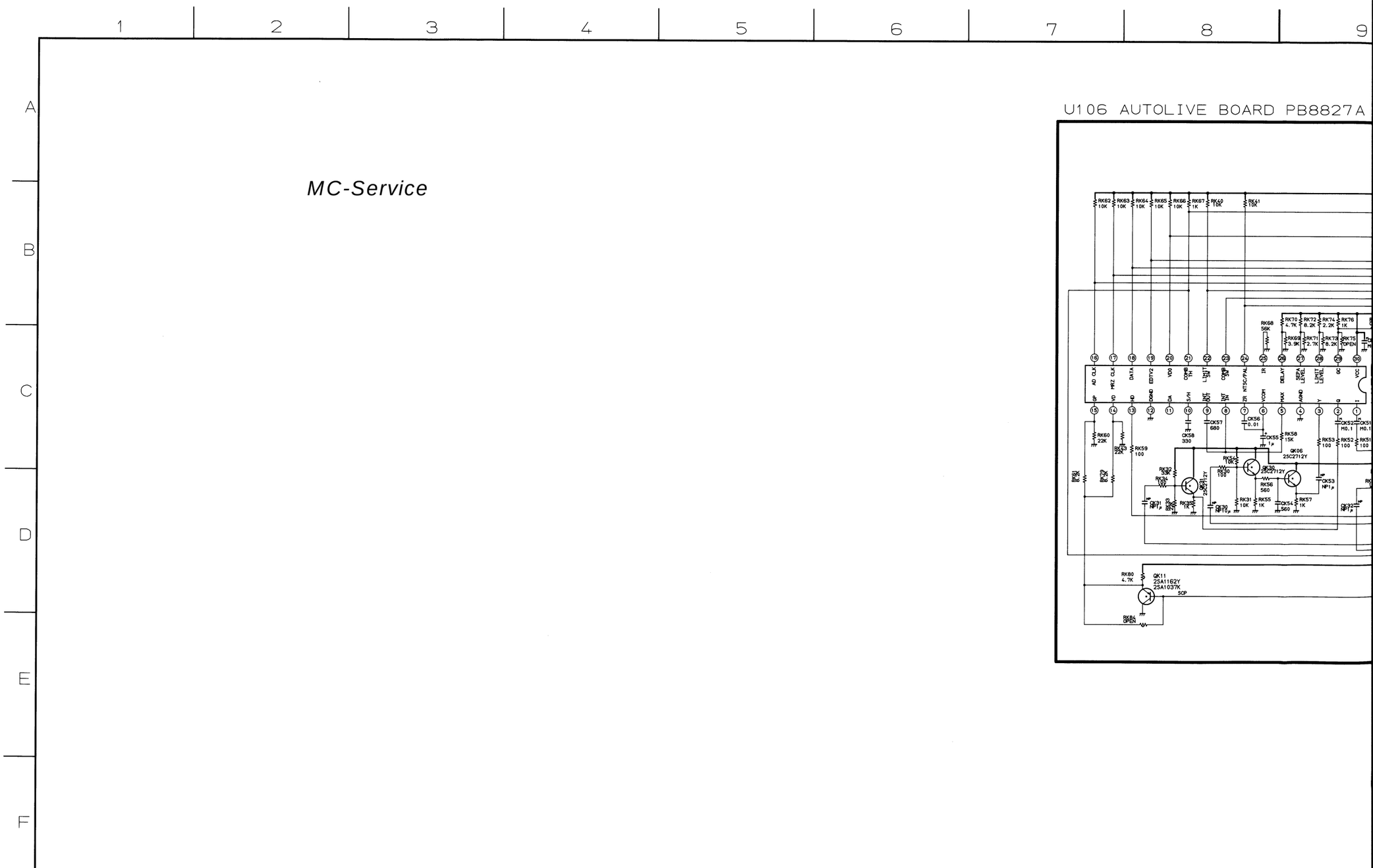
CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

NOTES:

1. D.C. resistance value of a principa
gram. These are measured for separ
2. The circuits are subject to change w
3. ⬬ : Solder links.



resistance value of a principal transformer is shown in this schematic dia-
These are measured for separated from the circuit.
ircuits are subject to change without notice.
Solder links.

EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUCTOR

1. Resistance is shown in ohm, k=1,000, M=1,000,000
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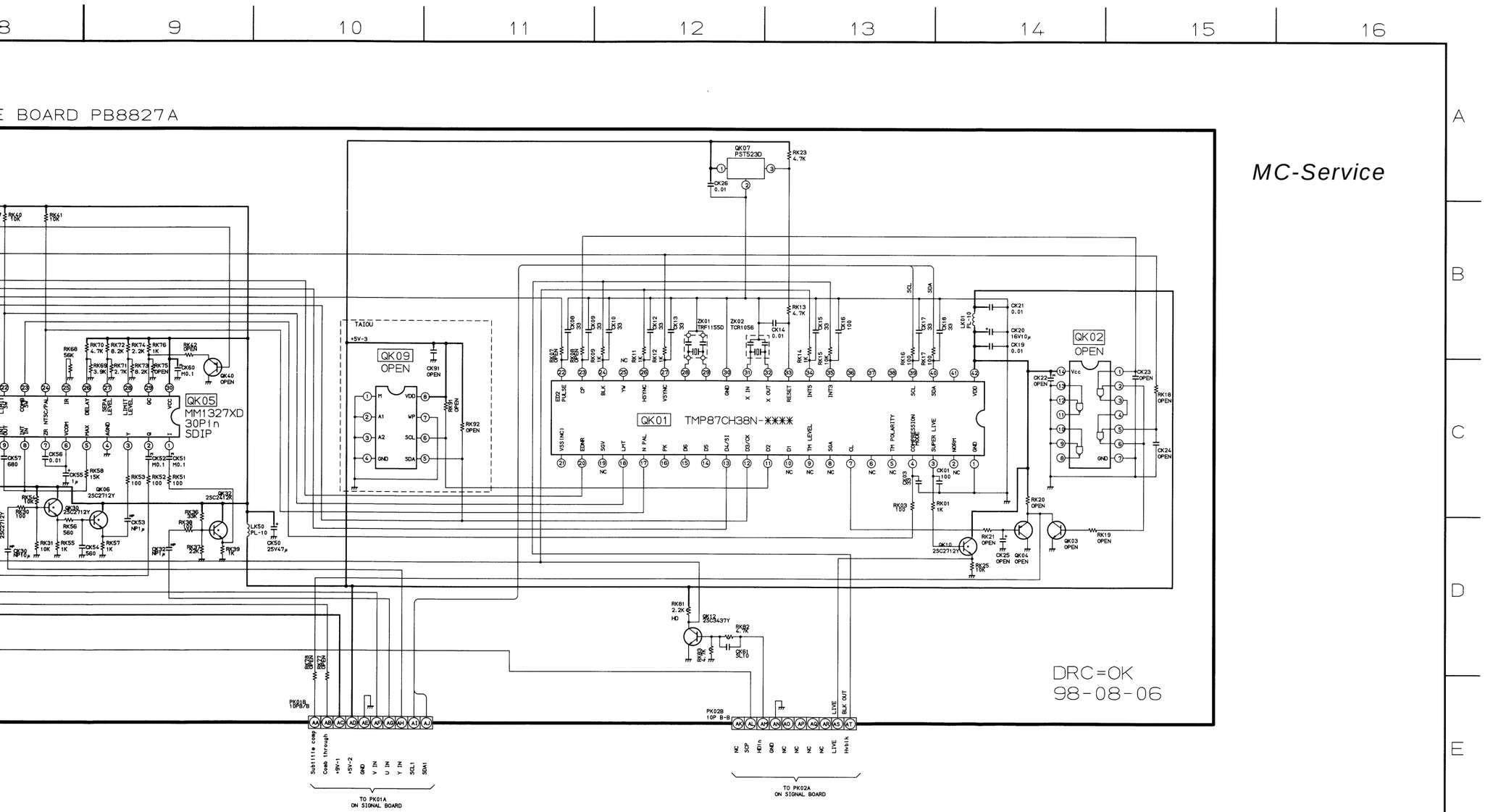
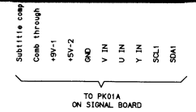
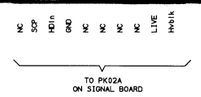
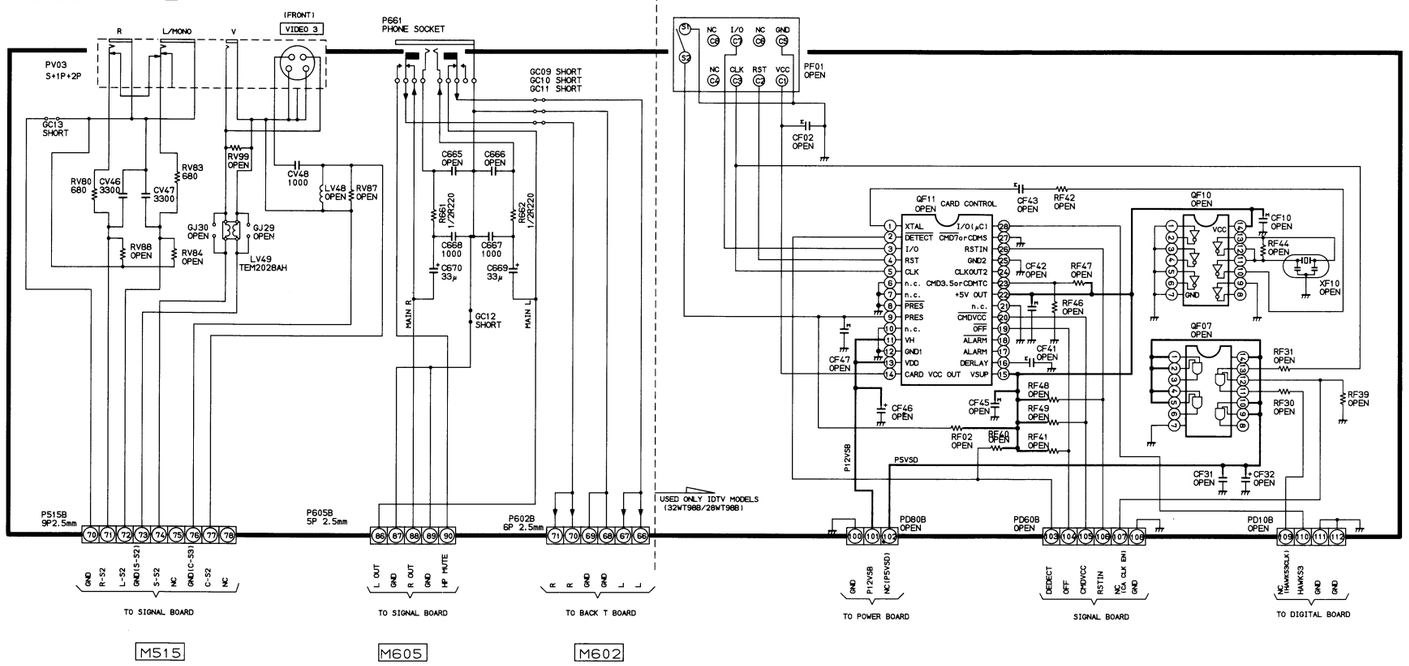
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.







U906B CONTROL-2 BOARD
PB8835C-2



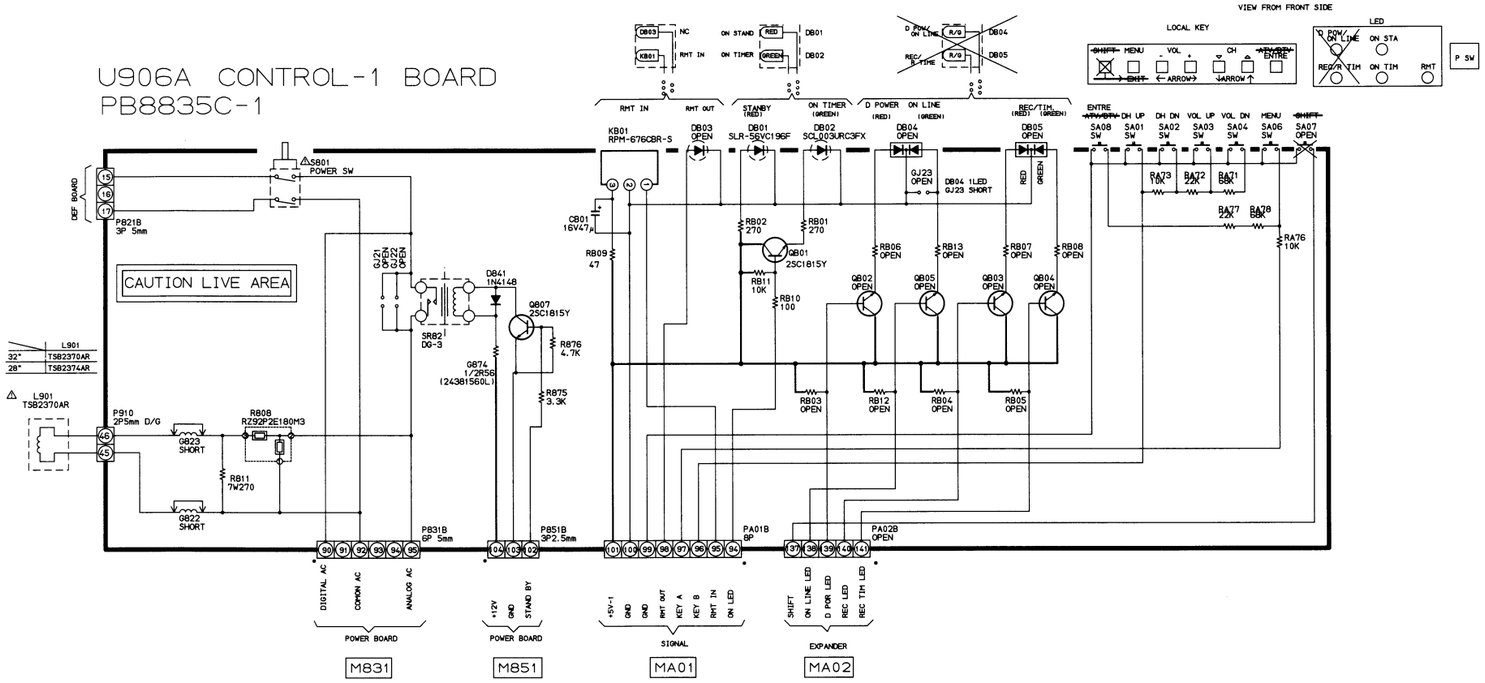
UNIT SN.	
AUTOLIVE	SN.23783242
CONT-1	SN.23783432
CONT-2	SN.23783433
D-IN	SN.23783252

COPPER SIDE PARTS	
	SN.
	SN.
	SN.
	SN.
	SN.

E F G H I J K L

8 9 10 11 12 13 14 15 16

U906A CONTROL-1 BOARD
PB8835C-1



MC-Service

SCHEMATIC DIAGRAM MODEL : 32WD96G (6/6)

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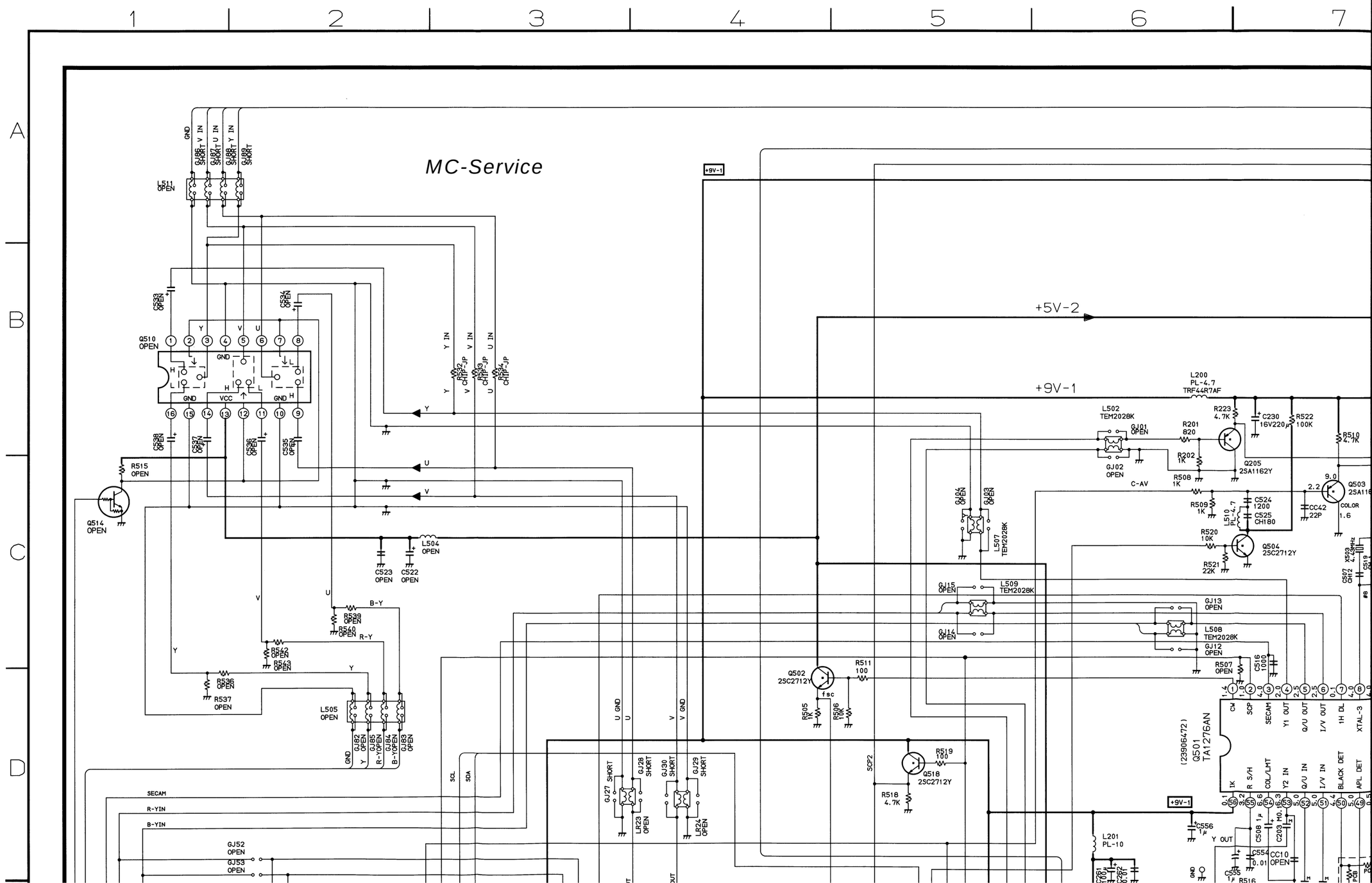
NOTES:

1. D.C. resistance value of a principal transfo
   gram. These are measured for separated fro
2. The circuits are subject to change without n
3. ● : Solder links.



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3. ⬬ : Solder links.

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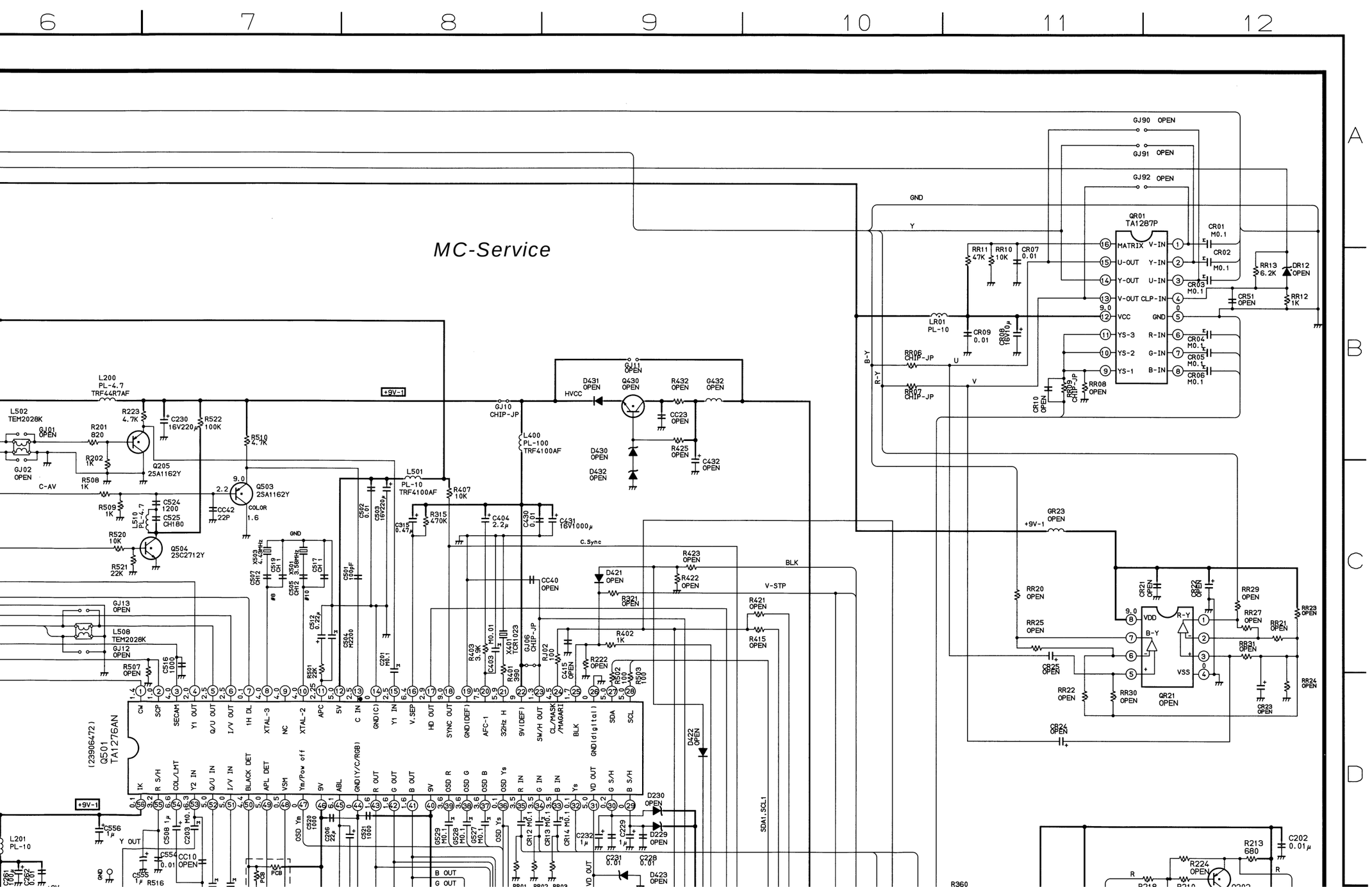
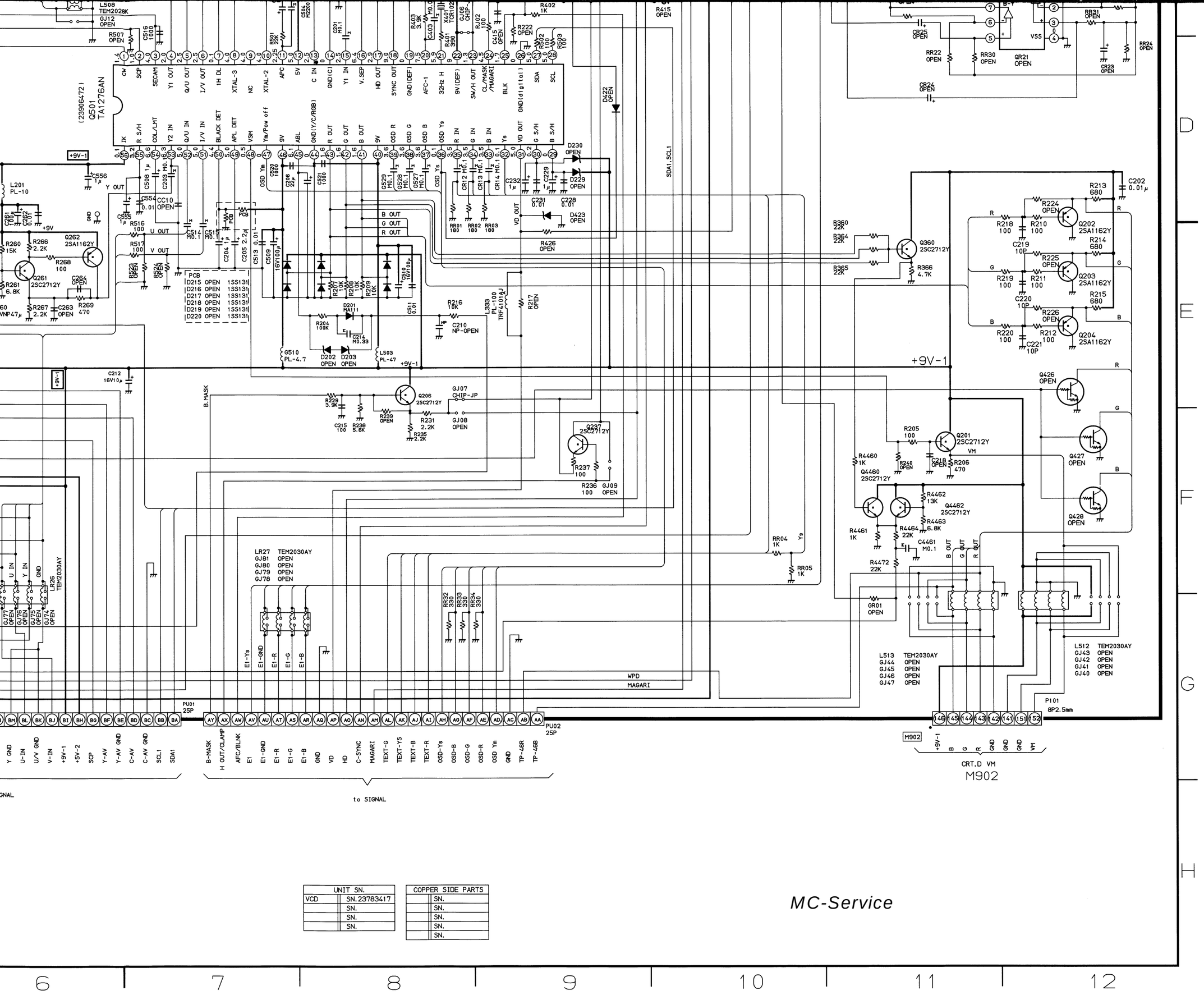
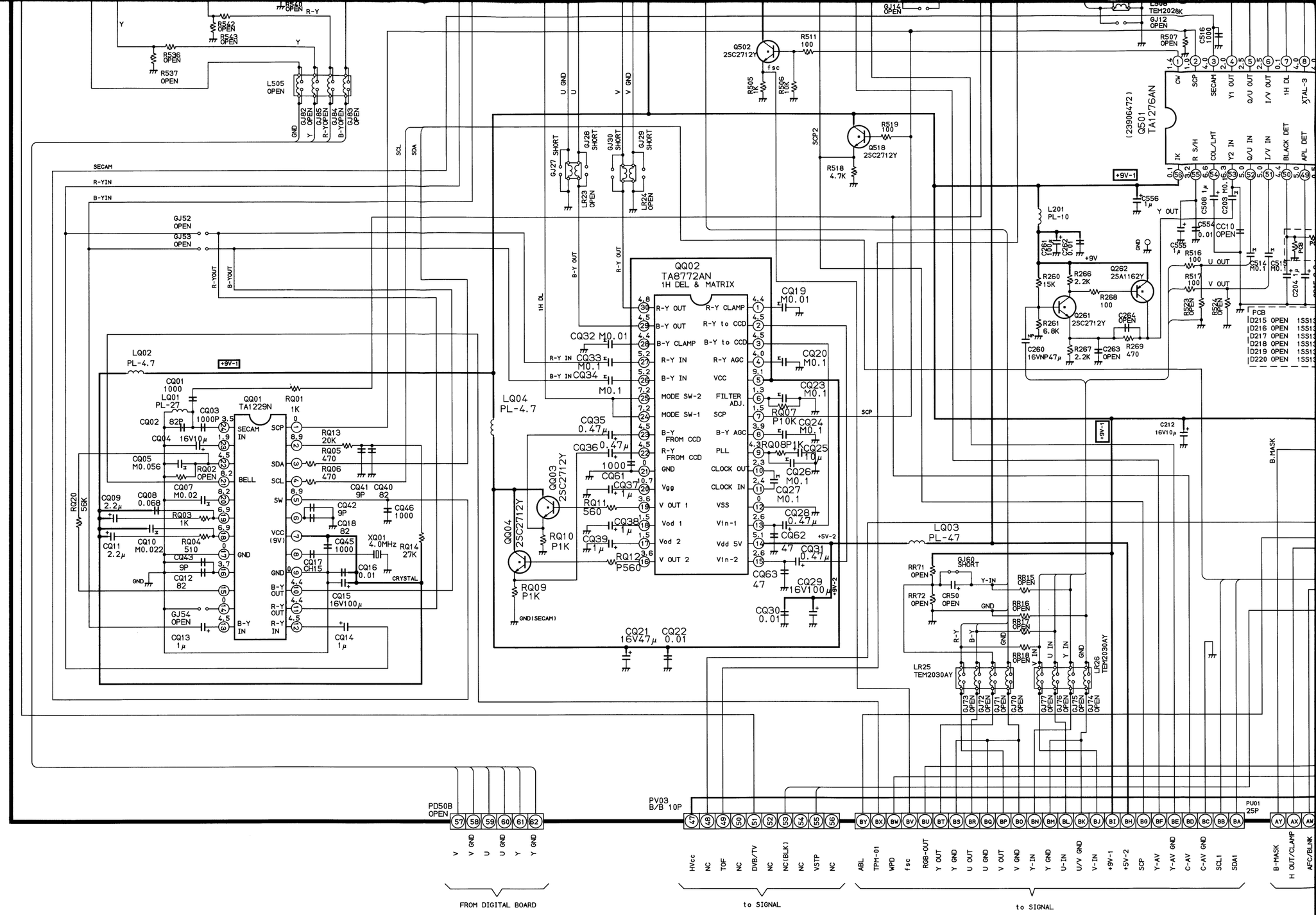




UNIT SN.	
VCD	SN.23783417
	SN.
	SN.
	SN.

COPPER SIDE PARTS	
	SN.
	SN.
	SN.
	SN.
	SN.

MC-Service



MC-Service

U103 VCD BOARD PB8768E